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THE ENTOMOLOGICAL SOCIETY
of
BRITISH COLUMBIA

OCCASIONAL PAPER NO. 1 ISSUED JUNE 14, 1951

An Annotated Check List of The Macrolepidoptera of British Columbia

BY

J. R. J. LLEWELLYN JONES

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INTRODUCTION

It is now more than twenty years since the last comprehensive list of Macrolepidoptera of British Columbia was published in 1927 by E. H. Blackmore. Since that date there have been a number of records of species previously unrecorded in this Province. A survey of the information herein offered will show not so much a spectacular increase in the number of species recorded as new to the Province, as a considerable expansion in the known range of those already known to exist within its borders.

Many species previously reported only from dry belt areas have, in recent years, been taken on the southern tip of Vancouver Island, and on the mainland, the range of other species has been extended.

The present check list is in annotated form, giving, wherever possible, not only the localities but also the food plants and period of flight, much of which information has hitherto been scattered throughout the literature. This is now brought together making it more readily available.

The arrangement follows mainly that of Dr. J. McDunnough's "Check List of the Lepidoptera of Canada and the United States of America, Part I., Macrolepidoptera." (1938. Memoirs of the Southern California Academy of Sciences, Vol. I.)

With regard to synonyms. These have been given in so far as they refer to species, subspecies, and forms actually recorded from the Province. The synonyms for the typical forms do not necessarily appear, except in a few cases where they have been used in previous Provincial lists, or have been used in local collections in the past.

An example of this is *Platysamia rubra* N & D. where *rubra* is now listed as a synonym of the typical form *Platysamia euryalus* Bdv. The name *rubra* however was used in collections in this Province in the past and for that reason I have included it here.

The numbers given before each species are those used in the McDunnough list. This will be helpful to those who may wish to use the two lists in conjunction.

Where there is no number inserted, the species has been described subsequently to the appearance of the McDunnough list, or has been raised in status from a subspecies or form.

An asterisk (*) indicates that the species is either very rare, or one about which there is some doubt and more information would be welcome.

Deviations from the McDunnough List.

The main deviations are as follows:

In the Nymphalinae (Argynninae) the arrangement of Cyril Franklin dos Passos and Lionel Paul Grey has been followed. (1945. American

Museum Novitates No. 1926. September 14th.)

Species formerly listed under Argynnis Fabr. now are transferred to Speyeria Scud., and those formerly under Brenthis Hbn. to Boloria Moore.

Following the Nolidae the Family Nycteolidae has been inserted comprising the genus *Nycteola* Hbn. which takes the place of *Sarrothripus* Curt. This follows Dr. McDunnough's revision of this group, (1943. Can. Ent. Vol. LXXV. No. 4 April. pp. 60 to 62.) Forms formerly referred to *Sarrothripus revayana* Scop., an European species, have been given for the most part specific status and placed in the genus *Nycteola* Hbn., *Sarrothripus* Curt. becoming a synonym.

In the Phalaenidae I draw attention to a recent revision of the *Diarsia rosaria* Grt. group by Mr. D. F. Hardwick, (1950. Can. Ent. Vol. LXXII. No. 2. February, pp. 25 to 33.) Specimens from British Columbia formerly referred to *Diarsia rosaria* Grt. must now be referred to *Diarsia pseudorosaria freemani* Hardwick.

The genus *Orthodes* Gn. has been re-arranged to conform to Dr. J. McDunnough's more recent revision of this group. (1943. Can. Ent. Vol. LXXV. No. 3. March. pp. 43 to 57.)

The Plusiinae also have been revised and re-arranged in accordance with the above writer's recent revision. (J. McDunnough. 1944. Memoirs of the Southern California Academy of Sciences. Vol. II. No. 2, dated May 1st.)

In the Thyatiridae, species previously listed in the genus *Cymatophora* Tr. have been transferred to a new genus *Ceranemota* Clarke, in accordance with the findings of J. G. Gates Clarke and Foster H. Benjamin (Clarke & Benjamin 1938. Bulletin Southern California Academy of Sciences, Vol. XXXVII. Part 2, pp. 55 to 73.)

In the genus Gluphisia Bdv. (Notodontidae.) the arrangement by J. G. Franclemont of *G.lintneri* Grt. and its forms has been adopted (Franclemont. 1941. Can. Ent. Vol. LXXIII. No. 5. May. pp. 92 to 94.)

Among the Geometridae the revision of the genus *Chlorosea* Pack. by J. L. Sperry has been adopted. (Sperry. 1944. Can. Ent. Vol. LXXVI. No. 2, February. pp. 33 to 39.) Specimens taken in this Province which previously have been referred to *C. nevadaria* Pack. must now be considered to belong to a new species, *C. banksaria* Sperry.

With regard to the genus *Ellopia* Treitschke, the arrangement suggested by H. W. Capps has been followed. (Capps. 1943. Proc. United States Museum. Vol. 93. No. 3159. pp. 115 to 150. "Some American Geometrid moths of the subfamily Ennominae heretofore associated with or closely related to Ellopia Treitschke."

Some changes have also been made in the genera *Hydriomena* Hbn., *Xanthorhoe* Hbn. and *Eupithecia* Curt.

Popular names. Most of the English names given in the Blackmore check list have been retained, and correlated with those given in W. J. Holland's Butterfly Book and Moth Book; also those in J. A. Comstock's

Butterflies of California. (1927.)

The popular names recommended by the American Association of Economic Entomologists have been incorporated. (C. F. W. Muesebeck. Common names of insects.) In some cases I have found it necessary to mention more than one for a species, but common usage will doubtless decide eventually which one will survive.

I have restored the name "Bee Hawk" for species in the genus *Hemaris* Dalm. (Sphingidae) which in the Blackmore list are named "Clearwings." I consider this desirable to avoid confusion with another well known group of moths, now relegated to a position among the Microlepidoptera, which for many years have been designated "Clearwings" by British writers.

Localities. These have been given following the number 1. A list of place names, arranged alphabetically, under the various regions into which the Province has been divided, is included.

Period of flight. This has been shown following the number 2. The months only are given, and allowance must be made for a late or early season and also for altitude in making use of this section. In the case of species which are known to hibernate the letter (H) has been inserted between the months. e.g. October, November, (H.) March, April.

Larval Food Plants. These are listed after number 3. It will be noticed that there are many omissions in this section. There is scope for considerably more research in this field. I shall be glad to receive information in this connection for publication at some later date, and for future revisions of the list. Records of food plants published by myself in the Proceedings of the Entomological Society of British Columbia from time to time have been included, also much valuable informaton supplied by government departments concerned and also by private individuals.

In some cases information has been obtained from the literature. Where a species is known to occur in Britain or Continental Europe as well as in North America, the European food plant has been named. In the event of the local food plant being unknown, this should form some indication as to probable requirements in the event of anyone wishing to breed the species concerned.

I have made use of the name "Sallow" to denote a special group of the genus *Salix* and I deem it a very useful term. This name has for many years been used extensively by British writers to denote a very definite group of willows. It refers to the species of the genus *Salix* of which the European species *Salix capraea* is regarded as typical. It is the group which produces the well known "Pussy Willows," which form a great attraction to moths in early spring. In British Columbia it would be used to denote such species as *Salix scouleriana* and *Salix hookeriana*. It could not be used for *Salix lasiandra*, or its allies, or for the ornamental species, such as the Weeping Willow and its kindred forms.

Acknowledgments. My thanks are due to all who have helped to make this list a reality, even if it has only been in a small way, because in a work of

this nature every detail is valuable.

I am especially grateful to Professor G. J. Spencer of the Department of Zoology at the University of British Columbia for making their collections of Lepidoptera available for research, and for valuable advice from time to time. Thanks are due also to Dr. G. C. Carl (Director), and Mr. G. A. Hardy of the staff of the Provincial Museum at Victoria, for making records and collections available for study.

I am greatly indebted to Dr. T. N. Freeman and Mr. D. F. Hardwick of the Division of Entomology at Ottawa for looking over the manuscript and making many valuable suggestions and corrections and for determinations which they have made for me from time to time.

Others to whom my thanks are due for sundry information, local lists and food plant records are: Mr. R. H. Foxlee, Robson, B.C., Mr. E. R. Buckell, lately of the Dominion Entomological Laboratory, Kamloops, B.C., Dr. W. R. Buckell, Cowichan Station, B.C., Mr. G. R. Hopping, lately of the Dominion Forest Insect Laboratory, Vernon, B.C., Mr. W. C. McGuffin, Federal Entomological Service, Kananaskis, Seebe, Alberta, Mr. J. L. Sperry, of Riverside, California, U.S.A., and Mr. R. Guppy, Wellington, B.C.

Especial thanks are due to Mr. W. Downes of Victoria, B.C., for undertaking the onerous task of editing the manuscript and supervising the printing of this list, and for many helpful suggestions made by him in connection with its preparation.

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ERRATA et ADDENDA

P. 2. No. 18. After *ab* cocklei Gund. add 1. Kaslo.

P. 2. No. 27. *ab* nanus Neum. for *verity* Behr read *verity* Ehr.

P. 3. For Anthococharis Bdv. read Anthocharis. Bdv.

P. 4. No. 41. *form* amphidusa *Bdv.* After *ab female* alba *Stkr.* add *pallida* Ckll.

P. 4. No. 41. *gen. vern.* kootenai *Cockle.* Sect. 1. for Kootenay read Kootenays.

P. 4 alberta Bowman. A separate species. Move to left.

P. 5. No. 76. For *minonia* Bdv. read *ninonia* Bdv.

P. 6. No. 81. Sect. 1. For Best River read Besa River.

P. 6. No. 83. Sect. 1. Delete second 1. Atlin.

P. 7. No. 89. Transpose 1. Southern British Columbia to follow Milkweed Butterfly.

P. 8. For Cercyonis Scud. read *Cercyonis* Scud.

P. 9. No. 141. Sect. 1. For Big Bear Mountain read Big Bar Mountain.

P. 9. No. 144. For a mancinus Dbldy. & Hew. read *a* mancinus *Dbldy. & Hew.* and after sect. 1. add 2. June, July.

P. 10. No. 167. add 1. Central Interior, Kootenays, Vavenby, Clinton, Jesmond.

P. 12. No. 200. After Sect. 2. add 3. *Viola* spp. etc.

P. 12. No. 201. For *morrissii* Reak. read *morrisii* Reak.

P. 13. No. 211. For a saga *Staud* read *a* saga *Staud.* and for c. improba *Butl.* read *c* improba *Butl.*

P. 13. No. 212. For *bellona* Fabr. read *bellona* Fabr.

P. 15. No. 246. For palla *Edw.* read palla *Bdv.*

P. 17. No. 300. For *hunteri* Bbn. read Hbn.

P. 18. No. 373. After sect. 3. delete Coral Hair-streak.

P. 19. No. 398. For nelsoni *Edw.* read nelsoni *Bdv.*

P. 20. No. 404. *ab* immaculata *Cockle.* add 1. Kaslo.

P. 20. No. 412 For Eryphon read Eryphon Elfin.

P. 24. No. 521. For occidentalis Skin. read *occidentalis* Skin.

P. 28. Before Smerinthus Latr. insert

Subfamily AMBULICINAE

P. 28. No. 740. cerisyi read cerisyi *Kby.*

P. 29 Before Hemaris Dalm. insert Subfamily **SESIINAE.**

P. 29. No. 770. For *Lonicerna* read *Lonicera.*

P. 31 No. 897 Sect. 3. After Quercus garryana delete Dougl.

P. 31. For Sarrothripus Curt read *Sarrothripus* Curt.

P. 32. No. 955. Add 1. Lillooet.
2. July.
3. Probably Lichens.

P. 32. No. 958. For *vitatata* Harr. read *vittata* Harr.

P. 32. No. 964. At end of Sect. 1. add 2. June, July.

P. 32. No. 975. At end of section 1. insert 2. June, July, August.

P. 32. No. 980. In section 3. for Spiraea douglassii read Spriaea douglasii.

P. 33. For Ammalo Wlk. read *Ammalo* Wlk.

P. 35. No. 1067. In section 3. For inverted item read *Rubus* spp.

P. 37. No. 1122. After flavicornis *Sm.* insert *a* electa *Sm.*

P. 40. No. 1234. For *teplia* S. read *teplia* Sm.

P. 44. No. 1341. After *a* atropurpurea *Grt. Finis* Sm. insert 1. Salmon Arm, Shuswap Lake. 2. July.

P. 45. No. 1366. For *factoria* Sm. read *factoris* Sm.

P. 45. No. 1371. For redimacula *Morr.* read redimicula *Morr.*

P. 48. No. 1452. For fennica *Tauch* read fennica *Tausch.*

P. 50. Following No. 1509. as a separate species, for *a* pseusodrosaria *Hdwk.* psusodrosaria *Hdwk.* read pseudorosaria *Hdwk.* False Rosy Dart.
a pseudorosaria *Hdwk.*

P. 52. No. 1569. After *a* fales *Sm.* insert 1. Vernon, Shuswap Lake, Kaslo. 2. June, July, August.

P. 54. No. 1595. For Forbe's Dart read Forbes' Dart.

P. 57. No. 1669. *b* crydina *Dyar.* In sect. 2. add July.

P. 57. No. 1677. For Atlanta Polia read Atlantic Polia.

P. 57. No. 1680. In Sect. 1. add Wellington.

P. 59. No. 1699. For *alnus rubra* read *Alnus rubra.*

P. 60. No. 1745. *c* petita *Sm.* After Sect. 1. insert 2. June, July, August.

P. 61. No. 1758. For petalis *Grt.* read patalis *Grt.*

P. 61. No. 1768. In Sect. 1. add Forbidden Plateau.

P. 64. No. 1907. For pallidior Sm. read *pallidior* Sm.

P. 64. No. 1915. After *c* pulchella *Sm.* Beautiful Woodling add 1. Southern B.C. 2. April, May.

P. 66. No. 1962. For Wheathhead read Wheat-head.

P. 68. For Cucullia Shrank. read Cucullia Schrank.

P. 69. No. 2196. In section 1. add Forbidden Plateau, on Mount Albert Edward.

P. 73. After No. 2243. as a separate species read pertorrida *McD.* Scorched Pinion. In sect. 1. add Lillooet, Robson. add also 2. September, October, November, before (H.)

P. 73. No. 2252. For *a* washington *Grt.* read *a* washingtonia *Grt.*

P. 74. Genus Behrensia Grt. should read, Behrensia Grt. Rovers.
2264. conchiformis *Grt.* Twin-spotted Rover.
1. Southern Vancouver Island, Brilliant, Robson.
2. April, May.

P. 78. No. 2355. Should read inordinata *Morr.*
a montana *Sm.* Montana Quaker.
P. 79. For No. 2398 read No. 2396.
P. 80. For Obligia Hbn. read Oligia Hbn.
P. 80. No. 2423. For *Stigmata* Grt. read *stigmata* Grt.
P. 82. For Phologophora Tr. read Phlogophora Tr.
P. 84. 2647. For festivioides Gn. read festivoides Gn.
P. 84. For Proxenus H. S. read Proxenus H.-S.
P. 84. For 2633 read 2663.
P. 84. No. 2666. For (fem) *hepara* Sm. read *(fem) hepara* Gn.
P. 88. No. 3255. Delete celsa race sierrae (Ottol.)
P. 88. No. 3256. Delete excelsa ab excelsana (B. & B.)
P. 88. For 3297 read 3247.
P. 90. No. 3287. For freya *Strand* read *freya* Strand.
P. 91. After Catocala Schrank, Underwings, insert 3341. aholibah *Stkr.* Western Underwing.
P. 91. No. 3359. After pura *Hlst.* Pure Underwing, insert 1. Robson. 2. July.
P. 93. After Synedoida Hy. Edw. read *Bolina* Gn.
P. 95. No. 3698. In sect. 3. for *Cornus nuttali* read *Cornus nuttallii.*
P. 99. No. 3939. add *d.* quinquelinea *Dyar.* Five-lined Pebble. 1. Vavenby, Penticton, Okanagan Falls, Kaslo. 2. April, June, July. 3. *Populus tremuloides, Populus trichocarpa.*
P. 99. No. 3943. For *antiqua* L. read antiqua *L.*
P. 101. For Family Lasiocampidae read Family LASIOCAMPIDAE.
P. 101. No. 3989. For pennsylvanica Gper. read pennsylvanica Guer.
P. 103. No. 4020. For *a* siculifer *Grt.* read *a* siculifer *Pack.*
P. 104. For Scelolphia Hlst. read Scelolophia Hlst.
P. 113. No. 4405. For aBnded Straw read Banded Straw.
P. 114. No. 4407. For silaceata *ScHiff* read Silaceata *Schiff.*
P. 117. No. 4465. For *form* fascoundata *Don* read *form* fuscoundata *Don.*
P. 119. No. 4515. For *form* cincilliaria *Swett.* read *form* conciliaria *Swett.*
P. 120. No. 4526. For fosaria *Tayl.* read fossaria *Tayl.*
P. 124. For 4612. secundaria *B. & McD.* read 4621 secundaria *B. & McD.*
P. 126. No. 4680. For ? haliata read ? haliata Gn.

Suborder RHOPALOCERA. Butterflies.

Superfamily PAPILIONOIDEA

Family PAPILIONIDAE

Papilio L. Swallowtails.

6. bairdii *Edw.* *utahensis* Stkr.
   a oregonia *Edw.* Oregon Swallowtail.
   1. Southern Interior, Peace River block.
   2. June, July, August.
   3. *Artemisia* spp., Sagebrush, Wormwood., *Umbelliferae* spp. Parsley Family.

8. zelicaon *Luc.* *zolicaon* Bvd., *californica* Men.
   coloro Wright. Mountain Swallowtail, Anise Swallowtail.
   1. Generally distributed.
   2. April, May, June, July, August.
   3. *Umbelliferae* spp. *Heracleum lanatum*, Cow Parsnip. Parsnip (garden vars), devours flowerheads and seeds.

9. machaon *L.*
   a aliaska *Scud.* *joannisi* Verity. Alaskan Swallowtail.
   1. Atlin, Upper Peace River Dst. at alt. 4500 feet.
   2. August.
   3. *Umbelliferae* spp. Parsley Family.

15. glaucus *L.*
   a canadensis *R & J.* *arcticus* Skin. Tiger Swallowtail.
   1. Southern Interior, Kootenays, Atlin, Lac la Hache.
   2. May, June, July.
   3. *Alnus* spp. Alders., *Betula* spp. Birch., Willows, *Populus tremuloides.* Aspen., *Prunus* spp. Wild Cherry, Garden vars of *Prunus*, *Pyrus* spp. Apple.

16. rutulus *Luc.* Western Swallowtail, Western Tiger Swallowtail.
   1. Southern Vancouver Island, Lower Fraser Valley, Southern Interior, Kaslo, Brilliant, Nelson, Robson.
   2. April, May, June.
   3. *Salix lasiandra.* *Salix* spp. Sallows, *Populus trichocarpa.* Black Cottonwood, *Prunus emarginata.* Bitter Cherry. Apple (garden varieties).

17. daunus *Bdv.* *multicaudata* Kirby. Two-tailed Swallowtail.
   1. Southern Interior, Brilliant, Robson.
   2. May, June.
   3. *Salix* spp. *Amelanchier* sp. *Fraxinus*, Ash, *Prunus* spp., Cultivated Cherry, *Fragaria* sp. Strawberry.

18. eurymedon *Luc.* *lewisii* Kby. Black and White Swallowtail. Pale Swallowtail.

1. Generally distributed.
2. April, May, June.
3. *Alnus rubra.* *Spiraea discolor.* *Ceanothus sanguineus.* *Crataegus brevispina.* Black Hawthorn, *Prunus emarginata.* *Amelanchier alnifolia.* June-berry, Apple (garden vars.).

ab. cocklei Gunder.

ab. columbiana Gunder.

1. Kaslo.

Parnassius Latr. Parnassians.

26. clodius *Men.*

b claudianus *Stich.* Pellucid Parnassian. *pseudogallatinus* Br.

1. Southern Vancouver Island, Lower Fraser Valley.
2. May, June, July.
3. *Sedum* spp. Stonecrop. Saxifrage.

c altaurus *Dyar, form* gallatinus *Stich.*

1. Alta Lake, Hope Mountains.
2. July.
3. *Sedum* spp. Stonecrop, Saxifrage.

27. smintheus *Dbldy & Hew.* *rocky* Gr Gr. *mariae* Br. *manitobaensis* Br. *ernestinae* Br & Eis. *montanula* Br & Eis. Clouded Parnassian.

1. Northern Interior, Southern Interior, Paradise Mine, Mount Cheam, Garibaldi Park.
2. July, August.
3. *Sedum* spp. Stonecrop, Saxifrage.

ab. nanus *Neum.* Small Parnassian. *mendica* Stich. *minor* Verity. *verity* Behr. *minusculus* Br.

1. Spences Bridge, Mount McLean, Cariboo Pass (alt. 5300 ft.) Atlin.
2. July, August.

d magnus *Wright.* *pseudocorybas* Verity. *xanthus* Ehr. Great Parnassian.

1. Central Interior, Southern Interior, Kootenays.
2. June, July.
3. *Sedum* spp. Stonecrop. Saxifrage.

e sayii *Edw.*

form alt. hermodur *Hy Edw.*

1. Brilliant, Robson.
2. June, July.

Family PIERIDAE

Anthococharis Bdv. Orange-tips.

34. sara *Bdv.*

c stella *Edw.* Stella Orange-tip.

1. Central Interior, Southern Interior, Kaslo, Brilliant, Nelson, Robson.
2. April, May, June, July.
3. *Arabis* sp.

d flora *Wright.* Western Orange-tip.

1. Southern Vancouver Island, Lower Fraser Valley.
2. April, May, June.
3. *Arabis* sp.

Euchloe Hbn. Marbled Whites.

35. creusa *Dbldy* & *Hew.* *elsa* Beut., *pumilio* Strd.

The Northern Marbled White.

1. Atlin, Windermere, Yoho Valley.
2. June, July.
3. *Arabis* sp.

a hyantis *Edw.* *pseudoausonides* Verity. Green Marbled White.

1. Southern Interior.
2. April May.
3. *Arabis* sp.

36. ausonides *Bdv.* Large Marbled White.

1. Central Interior, Southern Interior, Kootenays, Atlin.
2. April, May.
3. *Arabis* sp.

Colias Fabr. Sulphurs.

39. hecla *Lef.*

a glacialis *Mc Lach.* *chrysothemoides* Verity. Arctic Sulphur.

1. Atlin, Redfern Lake, Besa River (at 6000 ft.) Peace River District.
2. August.

41. eurytheme *Bdv.* *ariadne* Edw., *keewaydin* Edw. *intermedia* Ckll.

Clouded Sulphur, Boisduval's Sulphur, Alfalfa Caterpillar.

1. Southern Vancouver Island, Lower Fraser Valley, Halfway River, (at 2600 ft.) Peace River District.
2. July.
3. Leguminosae especially spp. of Clover (except *Trifolium pratense* L.) Alfalfa.

ab. female alba *Stkr.*

1. Pink Mountain (at 2850 ft.) Peace River District.
2. July.

form amphidusa *Bdv.* *californiana* Men. Orange Sulphur, Flavid Sulphur.

1. Central Interior, Southern B.C.
2. August, September.
3. *Trifolium* spp. Clover. Alfalfa.

ab. female alba *Stkr.*

1. Nelson.

form eriphyle *Edw.* *hagenii* Edw. Yellow Sulphur.

1. Central Interior, Southern Interior, Kootenays.
2. May, June, July, August.
3. *Trifolium* spp. Clover, Alfalfa.

gen. vern. kootenai *Cockle.* Kootenay Sulphur.

1. Northern Interior, Central Interior, Southern Interior, Kootenay.
2. June, July.
3. *Trifolium* spp. Clover.

alberta *Bowman.*

1. Boswell, Rolla.
2. July.
3. Probably sp. of Clover.

43. occidentalis *Scud.* Columbian Sulphur, Western Sulphur.

1. Southern Vancouver Island.
2. May, June, July.
3. *Leguminosae.*

a chrysomelas *Hy Edw.* Golden Sulphur, Gold & Black Sulphur.

1. Southern Vancouver Island.
2. June, July, August.
3. *Leguminosae.*

45. interior *Scud.* Pink-edged Sulphur.

1. Lac la Hache, Osoyoos, Kootenays.
2. June, July.
3. Probably spp. of *Leguminosae.*

46. christina *Edw.* Christina Sulphur.

1. Stikine River, Pink Mountain (at 2850 ft.), Halfway River (Peace River District).
2. July.
3. Probably *Leguminosae* spp.

ab. female pallida *Ckll.*

1. Stikine River, Pink Mountain (Peace River District).
2. July.

47. alexandra *Edw.* Alexandra Sulphur.

1. Kootenays.
2. May.
3. *Trifoleum repens* L. White Clover, *Astragalus* sp. Milk Vetch.

a edwardsii *Edw.* Edwards' Sulphur.

1. Southern Interior, Kootenays.
2. May.
3. Astragalus sp. Milk Vetch.

form female hatui B & B.

1. Southern Interior, Kootenays.
2. May.

b emilia *Edw.* Emilia Sulphur.

1. Central Interior, Southern Interior, Kootenays.
2. May, June, July, August, September, October.
3. *Lupinus* spp.

48. gigantea *Stkr. pelidneides* Staud. Large Sulphur.

1. Atlin, Stikine River.
2. June, July.
3. *Leguminosae.*

50. pelidne *Bdv & Lec.*

c minisni *Bean.* Mountain Sulphur, Labrador Sulphur.

1. Yoho Valley.
2. July.
3. Probably *Leguminosae.*

52. nastes *Bdv.*

f streckeri *Gr. Gr.* Alpine Sulphur. Arctic Sulphur.

1. Northern Interior, Southern Interior, Garibaldi Park.
2. July, August.
3. Probably *Leguminosae.*

ab. palliflava *McD.*

1. Mount McLean.
2. July, August.

Neophasia Behr. Whites.

76. menapia *F & F. tau* Scud., *minonia* Bdv. female *suffusa* Stretch. Pine White. Pine Butterfly.

1. Southern British Columbia.
2. July, August, September.
3. *Pinus ponderosa* Dougl. Western Yellow Pine, *Pinus contorta* var *latifolia* Engelm. Lodgepole Pine, Western Jack Pine., *Abies grandis,* Western Balsam, *Picea sitchensis,* Sitka Spruce, *Tsuga heterophylla.* Western Hemlock.

Pieris Schrank. Whites.

79. beckerii *Edw.* Becker's White.
    1. Southern Interior, Kaslo, Robson.
    2. June, July, August, September.
    3. *Cruciferae* spp. Mustard Family.

    gen vern. pseudochloridice *McD.*

    1. Oliver, Hedley, Osoyoos.
    2. April, May.

80. sisymbrii *Bdv.* California White.
    1. Central Interior, Southern Interior, Kootenays.
    2. April, May.
    3. *Cruciferae* spp. especially *Sisymbrium* spp. Hedge Mustard.

    ab. female flava *Edw.*

    1. Southern Interior.
    2. April, May.

    a flavitincta *Comstock.*

    1. Robson, Shuswap Lake.
    2. April, May.
    3. *Cruciferae.* spp.

81. occidentalis *Reak.* Western White.
    1. Central Interior, Southern Interior, Kootenays, Lower Fraser Valley, Halfway River (at 3000 ft.), Best River (at 6000 ft.), Peace River District).
    2. April, May, July, August.
    3. *Cruciferae* spp. especially the Mustards.

    a calyce *Edw.* Small Western White, Edward's White.

    1. Central Interior, Southern Interior, Kootenays, Atlin.
    2. June, July, August.
    3. *Cruciferae* spp. especially Mustards.

83. napi *L.* Mustard White. *arctica* Verity.
    1. Atlin.
    1. Atlin.

    a pseudobryoniae *Verity.*

    1. Taku River, Dease Lake, Atlin.
    2. June, July.
    3. *Cruciferae* spp.

    d gen. aest. cruciferarum *Bdv. casta* Kirby. *aestiva* Edw.

    1. Robson.
    2. July.

f gen. vern. marginalis *Scud.* Green-veined White. Margined White.

1. Central Interior, Southern Interior, Kootenays, Lower Fraser Valley, Duncan, Shawnigan District.
2. April, May.
3. *Cruciferae* spp.

gen. aest. pallida *Scud.* Pallid White.

1. Central Interior, Southern Interior, Kootenays, Lower Fraser Valley, Duncan, Shawnigan District, Errington, Halfway River (Peace River District).
2. July, August.
3. *Cruciferae* spp.

86. rapae *L metra* Steph. *immaculata* Fologne. Cabbage White.

1. Generally Distributed.
2. April, May, June.
3. *Cruciferae* spp. especially Cabbages, Turnips, etc.

gen. aest. yreka. *Reak.* *aestivus* Verity.

1. Generally Distributed.
2. July, August, September.
3. *Cruciferae* spp., especially Cabbages, etc.

Family DANAIDAE

Danaus Kluk.

89. plexippus *L.* *menippe* Hbn. *archippus* Fabr. *pulchra* Stkr. The Milkweed Butterfly.

1. Southern British Columbia.
2. May, June, July, August.
3. *Asclepias* spp. Milkweeds.

Family SATYRIDAE

Coenonympha Hbn Ringlets

108. kodiak *Edw.* Alaskan Ringlet.

1. Atlin.
2. June.
3. Probably Grasses.

109. inornata *Edw.*

b benjamini *McD.*

1. Rolla.

c insulana *McD.* Vancouver Ringlet.

1. Victoria.
2. May, June, July, August, September.
3. Probably grasses.

d columbiana *McD.* Plain Ringlet.

1. Shuswap Lake, Aspen Grove, Oliver, Nicola, Vernon, Hedley, Osoyoos, Keremeos.
2. May, June, July.
3. Probably Grasses.

110. ampelos *Edw.* Ringless Ringlet.
1. No definite record.

gen. vern. eunomia Field.
1. Robson.
2. May.
3. Probably Grasses.

Minois Hbn. Wood-nymphs. Satyrs.

Cercyonis Scud.

117. alope *Fabr.*

e boopis *Behr.* *ariane* Bvd. (partim).

Common Wood-nymph. Ox-eyed Wood-nymph.
1. Southern Interior, Kootenays, Lower Fraser Valley, Cumberland, Comox, Qualicum Beach, Parksville, Errington, Wellington, Port Alberni.
2. June, July, August.
3. Grasses.

123. silvestris *Edw.* *okius* Oberth. Sylvan Wood-nymph, Sylvan Satyr.
1. Southern Interior.
2. July.
3. Grasses.

a paulus *Edw.* Small Wood-nymph.
1. Lillooet.
2. June, July.
3. Grasses.

124. oetus *Bdv.* *charon* Edw. Dark Wood-nymph. Least Satyr.
1. Central Interior, Southern Interior, Kootenays, Fork of Graham & Halfway Rivers at 2300 ft. (Peace River District).
2. June, July, August.
3. Grasses.

a phocus *Edw.* Columbian Wood-nymph.
1. Central Interior, Southern Interior.
2. July.
3. Grasses.

Oeneis Hbn. Arctics.

125. macounii *Edw.* Banded Arctic.
1. Central Interior, Southern Interior.
2. June.
3. Grasses.

126. nevadensis *F & F.* *gigas* Butl. *californica* Bdv. Great Arctic. Felder's Arctic.
1. Southern Vancouver Island, Grouse Mountain, Seton Lake, Shuswap Lake.
2. May, June, July.
3. Grasses. Lichens.

127. chryxus *Dbldy & Hew.* Tawny Arctic, Chryxus Arctic.
1. Central Interior, Southern Interior, Kootenays.
2. June, July.
3. Grasses.

129. taygete *Gey.* *bootes* Bdv. Labrador Arctic.
1. Atlin, Besa River (Peace River District).
2. June, July, August.
3. Probably grasses.

130. jutta *Hbn.* *balder* Guer. Northern Arctic.
1. Atlin, Emerald Lake, Ottertail.
2. June.
3. Probably grasses.

131. uhleri *Reak.* Mountain Arctic, Uhler's Arctic.
1. Atlin.
2. June.
3. Probably Grasses.

141. beanii *E &E.* Alberta Arctic, Bean's Arctic.
1. Northern Interior, Kootenays, Mount Cheam, Mount McLean, Big Bear Mountain, Mount Bowman, Garibaldi Park.
2. July, August.
3. Grasses.

Erebia Dalm. Alpines.

142. vidleri *Elwes.* Mountain Alpine. Vidler's Alpine.
1. Southern Interior, Mount Cheam, Garibaldi Park.
2. July, August.
3. Probably Grasses.

144. disa *Thun.*
a mancinus *Dbldy & Hew.* Alaskan Alpine. Mancinus Alpine.
1. Atlin, Cariboo Pass at 5200 ft.
3. Probably grasses.

148. discoidalis *Kby.* Red-streaked Alpine.
1. Atlin.
2. July.
3. Probably grasses.

150. epipsodea *Butl.* *rhodia* Edw. Common Alpine.
1. Northern Interior, Central Interior, Southern Interior, Kootenays.
2. May, June, July.
3. Grasses.

Family NYMPHALIDAE
Subfamily NYMPHALINAE

Euptoieta Dbldy.

159. claudia *Cram.* *daunius* Hbst. *mariamne* Scud. *fumosa* Field.
* 1. Forte Steel. Variegated Fritillary.
(One specimen only.)
2. 23rd Steptember, 1919.
3. *Sedum* spp Stonecrop, *Viola* Violets and Pansies. *Portulaca* Purslane. *Pasiflora incarnata* L. Passion Flower.

Speyeria Scudder. Silver-spots. Fritillaries.

165. leto *Behr.* Western Silver-spot. Leto Fritillary.
1. Southern Interior, Kootenays.
2. June, July, August.
3. *Viola* spp.

167. aphrodite *Fabr.*
c columbia *Hy Edw.* Columbian. Silver-spot.
2. July, August.
3. *Viola* spp., Violets.

168. whitehousei *Gund.* Whitehouse's Silver-spot.
1. Jaffray, Cranbrook.
2. August.
3. Probably *Viola* spp.

171. atlantis *Edw.* Northern Silver-spot. Mountain Silver-spot.
1. Central Interior, Southern Interior, Kootenays, Atlin, Peace River District.
2. July.
3. *Viola* spp. Violets.
c beani *B & B.* Bean's Silver-spot.
1. Nelson, Robson, Shuswap Lake, Lac la Hache, Williams Lake, Canim Lake, Cariboo District. Smithers.
2. May, June, July.
3. *Viola* spp.

173. electa *Edw.* *cornelia* Edw. Cinnamon Silver-spot.
1. Central Interior, Southern Interior, Kootenays.
2. July.
3. *Viola* spp.

176. behrensii *Edw.* Behrens' Silver-spot.
1. Ainsworth.
2. July.
3. *Viola* spp.

178. hydaspe *Bdv.*
c rhodope *Edw.* Dusky Silver-spot. Rhodope Fritillary.
1. Southern Vancouver Island, Lower Fraser Valley, Central Interior, Clinton, Lillooet.
2. June, July, August.
3. *Viola* spp.

ab. gregsoni *Gund.* Gregson's Silver-spot.
1. Mount Washington, (6000 ft.), (Forbidden Plateau.).
2. July.

form alt. minor *McD.*
1. Mount McLean, Hope Mountains, Grouse Mountain, Mount Malahat, Mount Prevost.
2. June, July, August.

d sakuntala *Skin.* *skinneri* Holl. Sakuntala Silver-spot.
1. Southern Interior, Kootenays, Garibaldi Park.
2. July, August.
3. *Viola* spp.

181. snyderi *Skin.* Snyder's Fritillary.
* 1. Vernon (One specimen only.).
2. July.

184. bremnerii *Edw.* *sordida* Wright. Bremner's Silver-spot.
1. Southern Vancouver Island, Lower Fraser Valley.
2. July, August.

a picta *McD.* Ornate Silver-spot.
1. Southern Interior, Robson, Williams Lake.
2. July, August, September.
3. *Viola* spp.

185. platina *Skin.*

b garretti *Gunder.* Garrett's Fritillery.
1. Cranbrook.
2. July.
3. Probably Violets.

191. nevadensis *Edw.* Nevada Silver-spot.
1. Southern Interior.
2. July.
3. *Viola* spp.

b semivirida *McD.* Green Silver-spot.
1. Southern Interior, Williams Lake.
2. June, July.
3. *Viola* spp.

198. mormonia *Bdv.*

a erinna *Edw.* Alpine Silver-spot. Erinna Fritillary.
1. Kootenays.
2. July.
3. *Viola* spp.

199. eurynome *Edw.*

form clio *Edw.*
1. Bear Lake Mountain.
2. July.

a bischoffii *Edw.* Bischoff's Fritillary.
1. Forbidden Plateau.
2. July.
3. *Viola* spp.

b opis *Edw.* Cariboo Silver-spot. Opis Fritillary.
1. Southern Interior, Central Interior, Kootenays, Northern Interior, Garibaldi Park.
2. June, July, August.
3. *Viola* spp.

c washingtonia *B & McD.* Washington Fritillary.
1. Northern Interior, Central Interior, Southern Interior, Kootenays, Garibaldi Park.
2. July, August.
3. *Viola* spp.

Boloria Moore. Fritillaries.

200. myrina *Cram.* *myrissa* Godt. Silver-bordered Fritillary.
1. Southern Interior, Kootenays, Atlin.
2. May, June, July.
Viola spp. Violets including cultivated vars. and Pansies.

ab. serratimarginata *Gunder.*
1. Vernon.

d. toollandensis *B & Benj.*
1. Robson.
2. June.
3. *Viola* spp.

201. euphrosyne *L.*

a andersoni *Dyar.* *morrissii* Reak. Anderson's Fritillary.
1. Revelstoke.
2. June.
3. *Viola* spp.

202. aphirape *Hbn.*

a triclaris Hbn. *lais* Scud. Arctic Fritillary.
1. Atlin.
2. July.
3. *Viola* spp.

206. chariclea *Schneid.* Mountain Fritillary. Chariclea Fritillary.
1. Northern Interior, Central Interior, Southern Interior, Garibaldi Park.
2. June, July, August.
3. *Viola* spp.

f rainieri *B & McD.* Tacoma Fritillary.
1. Mount Cheam, Mount McLean, Hedley.
2. July, August, September.
3. *Viola* spp.

207. pales *D & S.*

a alaskensis *Holl.*

1. Basins N. Besa River W. Redfern Lake at 6000 ft. (Peace River District).
2. August.
3. Probably *Viola* spp.

208. freija *Thun.* *lapponica* Esp. *freya* Godt. Northern Fritillary.

1. Alexis Creek, Atlin, Kootenays, Schoonover Mountain.
2. June.
3. *Viola* spp.

b nabokovi *Stallings & Turner.*

2. Alaska Military Highway, Mile 102, North of summit 2, ravine, at 6000 ft.
2. July 23, 1943. (2 males.)

210. polaris *Bdv.* Polar Fritillary.

1. Atlin.
2. June.
3. *Viola* spp.

211. frigga *Thun.*

a saga *Staud.* Labrador Fritillary.

1. Atlin.
2. June.
3. *Viola* spp.

c. improba *Butl.* *youngi* Holl. Alaskan Fritillary.

1. Atlin, Basins N. Besa River W. Redfern Lake at 6000 ft. (Peace River District).
2. July, August.
3. *Viola* spp.

212. toddi *Holl.*

a ammiralis Hem. *bellona* Fabr. *myrina* Martyn. Meadow Fritillary.

1. Central Interior, Southern Interior, Kootenays, Garibaldi Park.
2. May, June, July, August.
3. Viola spp. both wild and cultivated.

b jenistai *Stallings & Turner.*

1. Fort St. John. (Peace River District).

213. epithore *Edw.* Western Fritillary. Western Meadow Fritillary

1. Central Interior, Southern B.C.
2. May, June.
3. Viola spp.

ab. obscuripennis *Gund.*

1. Alexis Creek, Shuswap Lake.
2. July.

214. alberta *Edw.* Albertan Fritillary.

1. Mount Hector, Yoho Valley, O'Hara Lake.
2. July.
3. *Viola* spp.

216. astarte *Dbldy & Hew.* *victoria* Edw. Alpine Fritillay. Astarte Fritillary.

1. Kootenays, Mount Cheam, Mount McLean.
2. August.
3. Viola spp.

Euphydryas Scud. Checker-spots.

221. perdiccas *Edw.* Island Checker-spot. Perdiccas Checker-spot.

1. Southern Vancouver Island.
2. May
3. *Plantago major* L. Common Plantain. *Plantago lanceolata* L. Rib Grass.

ab. nigrisupernipennis *Gund.* 1. Hanceville.

a paradoxa *McD.* Western Checker-spot.

1. Southern Interior.
2. May, June.
3. Probably *Plantago* spp. Plantain.

N.B. *cooperi* Behr. appears to have been used as referring to this species by B.C. collectors, though now this is to be considered a synonym for chalcedona *Dbldy & Hew.*

222. anicia *Dbldy & Hew.* California Checker-spot. Hewitson's Checker-spot.

1. Besa River (Peace River District), Garibaldi Park, Central Interior, Southern Interior, Kootenays.
2. July, August.

b hopfingeri *Gund.* Hopfinger's Checker-spot.

1. Robson, Shuswap Lake.
2. May, June.

233. taylori *Edw.* Victoria Checker-spot. Taylor's Checker-spot.

1. Victoria, Shawnigan District. (One specimen at Mill Bay), Comox.
2. April, May.
3. *Plantago lanceolata* L. Rib Grass, *Valerianella* spp. Corn Salad, Lambs Lettuce. *Camassia* spp. Wild Hyancinth, Camass.

ab. victoriae *Gunder.*

1. Victoria.
2. April, May.

ab. barnesi *Gunder.*

1. Victoria.
2. April, May.

234. colonia *Wright.*

a beani *Skin.* Alberta Checker-spot. Bean's Checker-spot.
1. Southern Interior, Kootenays, Mount Cheam.
2. June, July.

ab. blackmorei *Gunder.*
1. Mount Cheam.
2. June, July.

Melitaea Fabr. Checker-spots.

244. damoetas *Skin.* Mountain Checker-spot.
1. Mount McLean.
2. July.

ab. damoetella *McD.*
1. Mount McLean.
2. July.

246. palla *Edw.* Northern Checker-spot.
1. Southern Interior, Kootenays, Lac la Hache.
2. May, June, July.
3. *Aster conspicuosus* Lindley. *Castilleja* sp. Indian Paint Brush.

ab. blackmorei *Gunder.*
1. Lytton.
2. May, June, July.

a whitneyi *Behr.* Whitney's Checker-spot.
1. Penticton, Brilliant, Robson, Vasseaux Lake.
2. June.

Phyciodes Hbn. Crescent-spots.

265. tharos *Dru.* *morpheus* Fabr. *tharossa* Godt. *cocyta* Cram. *selenis* Kirby. *pulchella* Bdv. Beautiful Crescent-spot.
1. Brilliant, Robson, Nelson, Bear Lake Mountain, Frye Creek, South Fork Creek.
2. June, July, August.
3. *Aster* spp.

b pascoensis *Wright.* Pearl Crescent-spot.
1. Central Interior, Southern Interior, Kootenays, Pink Mountain at 2850 ft., (Peace River District).
2. May, June, July, August.
3. *Aster* spp.

267. campestris *Behr.* male *pratensis* Behr. Meadow Crescent-spot. Field Crescent-spot.
1. Generally Distributed.
2. May, June, July.
3. *Aster* spp. Wild Aster.

270. mylitta *Edw.* *collina* Behr. *epula* Bdv. Small Crescent-spot. Mylitta Crescent-spot.
1. Lower Fraser Valley, Nelson, Robson, Nicola Lake, Vaseaux Lake.
2. June.
3. *Cirsium* spp. Thistles.

a pallida *Edw.* Mountain Crescent-spot.
1. Central Interior, Southern Interior.
2. June.

Polygonia Hbn. Comma Butterflies. Angle-wings.

287. satyrus *Edw.* Brown Comma. The Satyr. Wandering Comma.
1 Generally distributed.
2. July, August, September, (H). March, April, May, June.
3. *Urtica* spp. Stinging nettle, *Humulus* sp. Hop. and possibly Poplar sp.

288. faunus *Edw.* Green Comma. Rustic Angle-wing.

b rusticus *Edw.*
1. Generally distributed.
2. July, August, September, (H). March, April, May, June.
3. *Salix* spp. Willows (Sallows), *Betula*, Birch, *Rhododendron occidentale.*

291. zephyrus *Edw.* *thiodamas* Scud. Variegated Comma, The Zephyr.
1. Generally distributed.
2. July, August, September, (H), March, April, May, June.
3. *Ribes sanguineum* Pursh. Red-flowering Currant.

292. gracilis *G & R.* The Graceful Angle-wing. The hoary Comma.
1. Robson, Aylard Summit at 20 mile (Peace River District). Michael, Smithers.
2. July, August, September, (H), March, April, May, June.

293. oreas *Edw.* Western Comma, Silenus Angle-wing.

a silenus *Edw.*
1. Southern Vancouver Island, Lower Fraser Valley.
2. July, August, September, (H), March, April, May, June.
3. *Ribes divaricatum* Dougl. Wild Gooseberry, and other spp. of Gooseberry. Possibly *Alnus* spp. Alder.

294. progne *Cram.* *c-argenteum* Kby. Grey Comma.
1. Central Interior, Penticton, Paradise Mine.
2. July, August, September, (H), March, April, May, June.
3. *Ribes* spp. Currant (wild and cultivated), Wild Gooseberry.

Nymphalis Kluk. Tortoise-shells.

295. j-album *Bdv & Lec.* *pocahontas* Scud. Compton Tortoise-shell.
1. Central Interior, Southern Interior, Kootenays, Lower Fraser Valley, Hagensborg.
2. August, September and after hibernation.
3. *Salix* spp. Possibly *Betula* spp. Birch.

a watsoni *Holl.*

1. Shuswap Lake District.
2. July, August.

296. californica *Bdv.* California Tortoise-shell.

1. Generally distributed.
2. July, August, September, (H), February, March, April, May, June.
3. *Ceanothus sanguineum* Pursh. Red-root, Snow Brush.

297. milberti *Godt.* Americam Tortoise-shell, Milbert's Tortoise-shell.

1. Generally distributed.
2. June, July, August, September, and after hibernation.
3. *Urtica* spp. Stinging Nettle.

a furcillata *Say. subpallida* Ckll. Pale Tortoise-shell.

1. Generally distributed.
2. June, July, August, September and after hibernation.
3. *Urtica* spp. Stinging nettle.

298. antiopa *L. pompadour* Poll. Mourning Cloak, Camberwell Beauty. (British writers.)

2. July, August, September, (H), April, May, June.
3. *Ulmus* spp. Elm, *Salix* spp. Willows (including Sallows), Weeping Willow, *Populus tremuloides* Michx. Aspen, *Populus trichocarpa* T & G. Black Cottonwood.

Vanessa Fabr.

299. atalanta *L. admiralis* Retz. Red Admiral. The Alderman (an old name).

1. Generally distributed.
2. July, August, September. Occasionally hibernated specimens in May, June.
3. *Urtica* spp. Stinging nettle.

300. virginiensis *Dru. huntera* Fabr. *iole* Cram. *hunteri* Bbn. Painted
* Beauty, Hunter's Butterfly, Virginia Lady.

1. Kaslo. (One specimen).
3. *Urtica* spp. Stinging nettle, *Cirsium* spp. Thistles, *Gnaphalium* spp. Cudweed, *Antennaria* spp. Everlasting Flower.

301. cardui *L. carduelis* Seba. Painted Lady.

1. Generally distributed.
2. June, July,, August, September, October, November.
3. *Circium* spp. Thistles, *Arctium* spp. Burdock, occasionally *Urtica* spp. Stinging nettles. (Usually produces small imagines.)

302. carye *Hbn. charie* Blanch. West Coast Lady.

1. Generally distributed.
2. July, August, sometimes after hibernation in May.
3. *Malva* spp. Mallow, *Urtica* spp. Stinging nettle., Garden vars. of Hollyhock.

Basilarchia Scud. White Admirals.

321. arthemis *Dru.*

a rubrofasciata *B & McD.* The Banded Purple.

1. Alexis Creek, Chilcotin District, Halcyon Hot Springs, Vavenby, Lac la Hache, Pink Mountain at 2850 ft., Junction of Halfway and Graham Rivers at 2200 ft. (Peace River District).
2. July, August.
3. *Salix* spp. *Populus tremuloides* Aspen, *Betula, Crataegus* sp.

324. lorquini *Bdv.*

a burrisonii *Mayn.* Burrison's White Admiral.

1. Southern B.C.
2. June, July, August.
3. *Salix* spp. *Populus tremuloides* Aspen, *Populus trichocarpa* Silver Poplar, garden vars. of Apple, Crab Apple, (wild and cultivated), *Prunus emarginata* Bitter Cherry. *Spiraea discolor.* Ocean Spray, *Spiraea douglassii.* Hardhack.

325. archippus Cram. *disippe* Godt. The Viceroy.

1. Southern Interior, Kootenays.
2. May, June, July, August.
3. *Salix* spp., *Populus trichocarpa, Populus dilatata* Ait. Lombardy Poplar, *P. tremuloides.*Aspen.

Family LYCAENIDAE

Subfamily THECLINAE. Hair-Streaks.

Strymon Hbn.

373. melinus *Hbn.*

b atrofasciata *McD.* Grey Hair-treak. Common Hair-streak.

1. Southern Vancouver Island, Lower Fraser Valley.
2. *Gcn. vern.* April, May. *gen aest,* July, August.
3. *Rubus* spp. Raspberry, eats fruit. *Crataegus* spp. *Malva* spp. Mallow, *Humulus* spp. Hop.

c setonia *McD.*

1. Central Interior, Southern Interior, Kootenays.
2. *Gcn vern.* April, May. *gen aest.* July, August.
3. Probably the same as *b.* Coral Hair-streak.

380. titus *Fabr. mopsus* Hbn. Coral Hair-streak.

1. Southern Interior, Brilliant.
2. June, July, August.
3. *Prunus* spp. Plum, Wild Cherry.

a immaculosus *Comstock.*

1. Seton Lake.
2. June.
3. *Prunus* spp. Plum, Wild Cherry, *Quercus,* Oak.

382. californica *Edw.* *borus* Bdv. *cygnus* Edw. California Hair-streak.
1. Seton Lake, Hope Mountains, Shuswap Lake, South Fork Creek.
2. June, July, August.
3. *Salix* spp. *Quercus* spp. Oak.

384. sylvinus *Bdv.* Sylvan Hair-streak.
1. Southern B.C.
2. July, August.
3. *Salix* spp.

392. saepium *Bdv.* Bronze Hair-streak. Hedge-row Hair-streak.
1. Southern Interior, Kootenays.
2. July, August.
3. *Ceanothus* spp. Red Root, Snow-brush.

form okanagana *McD.*

1. Shuswap Lake, Peachland, Lillooet, Seton Lake.
2. June, July, August.
3. Probably same as above.

Callipsyche Scud.

394. behrii *Edw.* *kali* Stkr. Behr's Hair-streak.
1. Penticton, Osoyoos, Dog Lake, Vaseaux Lake.
2. June.
3. *Lupinus* spp. Lupine.

var. columbia *McD.*

1. Fairview, Osoyoos, Vaseaux Lake, Okanagan Falls.
2. June, July.

Satyrium Scud.

395. fuliginosa *Edw.* *suasa* Bdv. Sooty Gossamer-wing.
1. Lower Fraser Valley.
2. May.

Mitoura Scud.

396. spinetorum *Hew.* *ninus* Edw. *cuyamaca* Wright. Blue Hair-streak. Ticket Hair-streak.
1. Southern Interior, Kootenays.
2. April, May, June.
3. *Arceuthobium campylopodum* Engelm. Pine mistletoe (according to Comstock & Dammers).

397. johnsoni *Skin.* Columbian Hair-streak. Johnson's Hair-streak.
1. Spuzzum, Vancouver, Shawnigan Lake.
2. May.
3. *Arceuthobium douglasii* (according to Comstock).

398. nelsoni *Edw.* Veined Hair-streak. Nelson's Hair-streak.
1. Southern B.C.
2. April, May, June.
3. *Pinus contorta* var *latifolia* Engelm., Lodgepole Pine, *Picea engelmanni* Engelm. Engelmann Spruce, also reported on *Fragaria*, Strawberry.

Incisalia Scud. Elfins.

404. iroides *Bdv.* Western Elfin, Plain Elfin.
   1. Generally distributed.
   2. March, April, May, June.
   3. *Spiraea discolor* Pursh, Ocean Spray., *Pyrus malus* Apple (attacks the young fruit). *Sedum spathulifolium* Hook. Stonecrop. *ab.* immaculata *Cockle.*

408. mossii *Hy Edw.* Dr. Moss' Elfin.
   1. Southern Vancouver Island, Vernon, Schoonover Mountain, Kaslo, Robson.
   2. March, April, May, June.

409. polios *Cook & Wats.* Northern Elfin.
   1. Southern Interior, Robson, Alexis Creek.
   2. April, May.

412. eryphon *Bdv.* Marbled Elfin, Western Banded Elfin, Eryphon
   1. Southern Vancouver Island, Lower Fraser Valley, Southern Interior, Kootenays, Alexis Creek.
   2. April, May, June.
   3. *Pinus contorta* var *latifolia* Engelm. Lodgepole Pine, *Pinus monticola* Dougl. Western White Pine.

Callophrys Billb.

414. dumetorum Bdv. *viridis* Edw. The Green White-spotted Hair-streak, Green Hair-streak, Bramble Hair-streak.
   1. Southern Interior, Rossland, Brilliant.
   2. April.
   3. *Hosackia* spp. Bird-foot Clover. *Eriogonum* spp.

Subfamily LYCAENINAE Coppers.

Lycaena Fabr.

423. heteronea *Bdv.* Blue Copper, Varied Blue.
   1. Southern Interior, Kootenays, Alexis Creek, Lac la Hache.
   2. April, May, June, July.
   3. *Eriogonum* spp.

430. mariposa *Reak. zeroe* Bdv. Dusky Copper, Reakirt's Copper.
   1. Coast Region, Lower Fraser Valley, Southern Interior, Kootenays, Cariboo Pass at 5200 ft. (Peace River District). Forbidden Plateau, Alberni District (summit of highway).
   2. June, July, August.
   3. Possibly *Polygonum* spp. Knotweed.

431. nivalis *Bdv. ianthe* Edw. Pale Copper, Snowy Copper.
   1. Southern Interior, Kootenays.
   2. July.

432. helloides *Bdv.* *castro* Reak. Purple Copper.
1. Generally distributed.
2. May, June, July, August, September.
3. *Polygonum amphibium.* Willow Weed, Swamp Knotweed, *Polygonum aviculare.* Knotgrass. *Rumex* spp. Dock.

436. cupreus *Edw.* Burnished Copper, Lustrous Copper.
1. Kootenays, Mount McLean, Mount Garibaldi.
2. August.
3. Probably *Rumex* spp. Dock.

437. snowi *Edw.* Snow's Copper.
1. Bear Lake Mountain, Mount McLean.
2. July.

a henryae *Cadbury.*
1. Cariboo Pass at 5200 ft. (Peace River District).
2. July.

Subfamily **PLEBEIINAE** Blues

Everes Hbn.

448. amyntula *Bdv.* Western Tailed Blue.
1. Upper Peace River District. Southern B.C.
2. April, May, June.
3. *Astragalus* spp. Milk Vetch. Probably other *Leguminosae.*

Plebeius Kluk.

449. scudderii *Edw.* Scudder's Blue. Pearl-studded Blue.
1. Northern Interior, Mount McLean, Vavenby, Shuswap Lake.
2. June, July, August.
3. *Lupinus* sp. Lupine and probably other *Leguminosae.*

b kodiak *Edw.*
1. Halfway River at 3500 ft., Pink Mountain at 2800 ft., and at 4500 ft. (Peace River District).
2. July.

450. melissa *Edw.* Orange-banded Blue. Orange-margined Blue.
1. Central Interior, Southern Interior, Kootenays, Garibaldi Park, Southern Vancouver Island.
2. May, June, July, August.
3. *Astragalus* spp. Milk Vetch. *Lotus* sp. Ground honeysuckle.

451. anna *Edw.* *cajona* Reak. *philemon* Bdv. California Blue, Anna Blue.
1. Southern Interior, Kootenays, Mount Cheam.
2. June, July, August.

ferniensis *Chermock.* Fernie Blue.
1. Fernie.
2. July.

452. aquilo *Bdv.*

c megalo *McD.* Cascade Blue.

1. Northern Interior, Southern Interior, Kootenays, Mount Cheam, Mount Garibaldi, Mount Arrowsmith, Forbidden Plateau.
2. June, July, August.

453. saepiolus *Bdv.* Silvery Blue, Greenish Blue.

1. Northern Interior, Southern Interior, Kootenays, Chilcotin, Halfway River (Peace River District).
2. May, June, July.
3. *Trifolium* sp. alpine Clovers.

form rufescens *Bdv.* Rufescent Blue.

1. Northern Interior, Southern Interior, Kootenays.
2. May, June, July.

b insulanus *Blackmore.*

1. Southern Vancouver Island.
2. June, July.

455. icarioides *Bdv.*

e pembina *Edw.* Manitoba Blue. Pembina Blue.

1. Southern Interior, Kootenays, Mount Cheam.
2. May, June.

f blackmorei *B & M cD.* Blackmore's Blue.

1. Southern Vancouver Island.
2. May, June, July.
3. Probably *Lupinus* spp. and *Trifolium* spp.

g montis *Blkmre.* Mountain Blue.

1. Mount McLean, Hope Mountains, Lytton, Shuswap Lake.
2. May, June.
3. Probably *Lupinus* spp. and *Trifolii* spp.

459. acmon *West & Hew.* *antaegon* Bdv. Acmon Blue.

* 1. Robson.

3. In California feeds on *Astragalus, Hosackia, Eriogonum* and *Lotus.* (Comstock).

460. lupini *Bdv.* Metallic-spotted Blue. Lupine Blue.

1. Southern Interior, Brilliant, Robson.
2. June, July.
3. *Lupinus* spp.

Philotes Scud.

465. battoides *Behr.* Alpine Blue, Square-spotted Blue.

1. Southern Interior, Kaslo.
2. July.

Phaedrotes Scud.

472. piasus *Bdv.* *sagittigera* Feld. Arrow-head Blue.
1. Southern Interior, Robson.
2. May, June.
3. *Lupinus* spp.

b daunia *Edw.*
1. Shuswap Lake.
2. May.

Glaucopsyche Scud.

473. lygdamus *Dbldy.*

a couperi *Grt.* Northern Blue, Couper's Blue.
1. Dease Lake, Telegraph Creek, Schoonover Mountain.
2. June.
3. *Lupinus* spp.

b oro *Scud.* Colorado Blue, Oro Blue.
1. Southern Interior, Lac la Hache.
2. May, June, July.
3. Probably *Lupinus* spp.

d columbia *Skin.* Columbian Blue.
1. Southern Vancouver Island, Robson, Shuswap Lake.
2. April, May, June, July.
3. Probably *Lupinus* spp.

Lycaenopsis F & F.

473. pseudargiolus *Bdv & Lec.* *violacea* Edw. False Holly Blue.
1. Shuswap Lake.
2. April, May.

a lucia *Kby.* Spring Blue.
1. Taku River, Dease Lake, Vavenby.
2. May, June.

form marginata *Edw.* Margined Blue.
1. Taku River, Dease Lake, Vavenby.

c nigrescens *Fletch.* Dusky Blue.
1. Southern Interior, Kootenays.
2. April, May, June.
3. *Ceanothus* spp. Red-root, Snowbrush. *Viburnum* spp. Arrow-wood.

form quesnelii *Cockle.* Quesnel Blue.
1. Quesnel.
2. April, May, June.

e echo *Edw.* Southern Blue. Echo Blue.
1. Southern Vancouver Island, Lower Fraser Valley, Seton Lake.
2. April, May, June.
3. Cornus spp. Dogwood. *Ceanothus* spp. Red-root, Snowbrush.

Superfamily HESPERIOIDEA

Family HESPERIIDAE. Skippers.

Subfamily PYRGINAE

Epargyreus. Hbn.

484. tityrus *Fabr.* Silver-spotted Skipper.
   1. Vancouver, Savory Island, Sechelt.
   2. June, July, August.
   3. *Wistaria, Robinia pseudacacia, Robinia hispida,* Rose Acacia. *Desmodium canadense.*

Thorybes Scud.

505. pylades *Scud.* Northern Cloudy-wing.
   1. Southern Vancouver Island, Southern Interior, Kaslo, Nelson, Robson.
   2. May, June.
   3. *Trifolium pratense* L. *Trifolium repens* L.

Pyrgus Hbn.

515. centaureae *Ramb.* Grizzled Skipper.
   1. Atlin, Vavenby, Windermere, Mount McLean.
   2. June, July.

516. ruralis *Bdv. caespitalis* Bdv. *ricara* Edw. *petreius* Edw. Two-banded Skipper.
   1. Central Interior, Southern B.C.
   2. April, May, June.
   Potentilla sp. Cinquefoil, *Sidalcea* spp. Marsh Hollyhock.

521. communis *Grt.*
   a albescens *Ploetz.* occidentalis Skin. Variegated Skipper.
   1. Southern Interior, Kootenays.
   2. May, June, July.

Pholisora Scud.

531. catullus *Fabr.* The Sooty-wing.
   1. Southern Interior, Robson.
   2. June, July, August.
   3. *Chenopodium Album* L. Lamb's Quarters, Pigweed. *Amaranthus* spp., *Symphoricarpus* spp. Snowberry.

Erynnis Schr.

541. icelus *Scud & Burg. bautista* Ploetz. *hamamaelidis* Scud. Dreamy Dusky-wing.
   1. Southern B.C.
   2. April, May, June.
   3. *Salix* spp. *Populus tremuloides.*

546. persius *Scud.* Variable Dusky-wing. Persius Dusky-wing.
1. Southern Vancouver Island, Lower Fraser Valley, Southern Interior, Robson.
2. April, May, June.
3. *Salix* spp., *Populus tremuloides*, and other *Populus* spp.

form fredericki *Freeman.*
1. Shuswap Lake.
2. April, May.

549. callidus *Grin.* *lilius* Dyar. Velvet Dusky-wing.
1. Salmon Arm, Seton Lake, Mount McLean, Kaslo, Nelson, Robson.
2. May, June.

552. propertius *Scud & Burg.* *tibullus* Scud & Burg. Large Dusky-wing. Propertius Dusky-wing.
1. Southern Vancouver Island.
2. April, May.
3. Probably *Quercus* spp. Oak.

Subfamily HESPERIINAE

Carterocephalus Led.

563. palaemon *Pall.* *mandan* Edw. *mesapano* Scud. *skada* Edw. Arctic Skipper. Chequered Skipper.
1. Lower Fraser Valley, Southern Interior, Kootenays, Duncan District (Sahtlam).
2. May, June, July.
3. *Bromus* spp. Brome Grass.

Oarisma Scud.

569. garita *Reak.* *hylax* Edw. Plain Skipper.
1. Southern Interior.
2. June.

Hesperia Fabr.

583. nevada *Scud.* Nevada Skipper.
1. Alexis Creek, Penticton, Osoyoos.
2. May, June.

584. comma *L.*

a colorado *Scud.* Colorado Skipper.
1. Coast Region, Southern Interior.
2. June, July, August.

b manitoba *Scud.* *laurentina* Lym. Canadian Skipper.
1. Okanagan Landing, Schoonover Mountain, Vaseaux Lake, Brilliant, Robson.
2. May, June, September.

c idaho *Edw.* Idaho Skipper.
1. Vernon, Similkameen.
2. July, August.

588. juba *Scud.* Sage-brush Skipper. Juba Skipper.
1. Lillooet, Brilliant, Nelson, Robson.
2. May, September.

Ochlodes Scud.

604. sylvanoides *Bvd.* *pratincola* Bdv. (fem.): *francisca* Plostz. Woodland Skipper.
1. Southern B.C.
2. June, July, August, September.

606. agricola *Edw.* *yreka* Edw. *verus* Edw. *milo* Edw. The Rural Skippey. The Farmer.
1. Fry Creek.
2. July, August.

Polites Scud.

611. themistocles *Latr.* *taumas* Fabr. *thaumas* Fabr. *phocion* Fabr. (fem.) *cernes* Bdv & Lec. *ahaton* Harr. Brown-bordered Skipper.
1. Southern Interior, Goldstream.
2. June.

614. peckius *Kby.* *coras* Auct., *aesculapius* Fabr. *wamsutta* Harr. *enys* Scud. Peck's Skipper. The Yellow Spot.
1. Kaslo, Nelson, Robson.
2. July.
3. Grasses.

616. draco *Edw.* Northern Skipper.
1. Stikine River.

617. sonora *Scud.* *siris* Edw. Mountain Skipper, Sonora Skipper.
1. Hope Mountains.
2. July.

618. mystic *Scud.* Mystic Skipper. The Long Dash.
1. Robson.
2. May.
3. Grasses.

Atrytone Scud.

642. ruricola Bdv. *vestris* Bdv. *metacomet* Harr. *rurea* Edw. *kiowah* Reak. *osyka* Edw. *osceola* Lint. *californica* Mab. Dun Skipper. Rustic Skipper.
1. Southern Vancouver Island, Southern Interior, Powell River.
2. June, July, August.
3. Grasses.

Amblyscirtes Scud.

660. vialis *Edw.* Roadside Skipper.
1. Southern B.C.
2. May, June, July.
3. Grasses.

Suborder HETEROCERA. Moths.

Superfamily SPHINGOIDEA

Family SPHINGIDAE Hawk-moths

Subfamily ACHERONTIINAE

Herse Oken.

693. cingulata *Fabr.* *affinis* Goeze. *pungens* Esch. *druraei* Don. Pink-spotted Hawk-moth. Sweetpotato Hornworm.
   1. Robson.
   2. June.
   3. *Convolvulaceae* spp.

Phlegethontius Hbn.

697. quinquemaculata *Haw.* *celeus* Hbn. Five-spotted Hawk-moth. Tomato Hornworm.
   1. Southern Interior.
   2. August.
   3. *Solanaceae* spp.

Sphinx L.

719. chersis *Hbn.* *cinerea* Harr. Chersis Sphinx.
   1. Robson. Trinity Valley.
   3. *Prunus* spp. Wild Cherry. *Fraxinus* sp. *Ligustrum* sp. Privet. *Populus tremuloides.*

721. mordecai *McD.* Columbia Sphinx.
   1. Generally distributed.
   2. April, May, June, July, August.
   3. *Symphoricarpus* sp.

724. perelegans. *Hy Edw.*

   a vancouverensis *Hy Edw.* Vancouver Sphinx.
   1. Southern B.C.
   2. June, July.
   3. *Symphoricarpus* sp.

730. drupiferarum *A & S.*

   a utahensis *Hy Edw.* The Wild-cherry Sphinx. The Plum and Apple Sphinx.
   1. Kaslo, Robson, Shuswap Lake, Williams Lake, Vernon, Salmon Arm, Oliver, Keremeos.
   2. June, July.
   3. *Prunus* spp.

Smerinthus Latr.

739. jamaicensis *Dru.*

r norm. geminatus *Say.* Twin-spotted Eyed Hawk-moth.

1. Southern Interior, Lac la Hache.
2. June, July.
3. *Salix* spp. *Betula* spp. *Fraxinus* spp. *Ulmus* spp. *Prunus* spp. *Pyrus* spp.

740. cerisyi

b opthalmicus *Bdv.* *vancouverensis* But. The Eyed Howk-moth.

1. Southern B.C.
2. April, May, June, July, August.
3. *Salix* spp. *Populus trichocarpa.* *Populus dilatata.* *Populus tremuloides.*

c saliceti *Bdv.*

1. Southern B.C.
2. As above.
3. As above.

form pallidulus *Hy Edw.*

1. Victoria, Shawnigan District, Kaslo, Penticton, Lillooet.
2. June, July, August.
3. As above.

Paonias Hbn.

741. excaecata *A & S.* *pavonina* Gey. Blinded Sphinx.

1. Shuswap Lake, Kootenays, Lower Fraser Valley, Shawnigan District. (Mill Bay and Cobble Hill), Duncan.
2. May, June, July.
3. *Crataegus brevispina.* *Amelanchier alnifolia.* *Prunus* spp. Garden vars of Plum and Cherry, including ornamentals.

742. myops *A & S.*

a occidentalis *Clark.* Small-eyed Sphinx.

1. Kootenays, Kamloops, Northern Okanagan, Lillooet..
2. June, July.
3. *Prunus demissa.*

Pachysphinx R & J

745. modesta *Harr.* *princeps* Wlk. *populicola* Bdv. *cablei* Retz. *occidentalis* Hy Edw. Big Popular Sphinx.

1. Southern Interior, Kootenays, Lac la Hache.
2. June, July.
3. *Populus trichocarpa.* *Populus tremuloides.* *Salix* spp.

Hemaris Dalm. Bee Hawks.

767. thysbe *Fabr.*

form cimiciformis *Steph.* *floridensis* G. & R. *uniformis* G. &. R. *buffaloensis* G. & R. *pyramus* Bdv. Humming-bird Bee-hawk. Large Bee-hawk.

1. Bulkley Valley, Lac la Hache, Field, Vavenby, Fraser Mills.
2. June, July.
3. *Viburnum* spp. Arrow-wood. *Lonicera* spp. Honeysuckle. *Symphoricarpus* sp.

770. diffinis *Bdv.* Snowberry Bee-hawk.

c thetis *Bdv.* *palpalis* Grt.

1. Robson, Kaslo.
2. April, May, June.
3. *Symphoricarpus* sp.

e rubens *Hy Edw.*

1. Southern B.C., Ootsa Lake.
2. May, June, July.
3. *Symphoricarpus racemosus, S. mollis.* Creeping Snowberry. *Lonicerna nitida.*

Subfamily PHILAMPELINAE

Proserpinus Hbn.

789. clarkiae *Bdv.* *victoria* Grt. Olive-banded Sphinx.

1. Southern B.C.
2. April, May, June.

790. flavofasciata Wlk.

a ulalume Stkr. Lilac Sphinx.

1. Southern B.C.
2. April, May, June.
3. *Epilobium* spp.

Subfamily CHOEROCAMPINAE

Celerio Oken.

798. gallii *Rott.* Bedstraw Hawk-moth.

a intermedia *Kby.* *chamaenerii* Harr. *oxybaphi* Clem. *canadensis* Gn.

1. Southern B.C.
2. May, June, July, August.
3. *Epilobium angustfolium* L. *Galium trifolium.* *Godetia* spp.

799. lineata *Fabr.* *daucus* Cam. White-lined Hawk-moth.

1. Southern B.C.
2. April, May, June, July, August, September, October.
3. *Epilobium angustifolium. E. adenocaulum. Fuschia riccartoni* (Hardy garden var.) Has been found on Vine, Apple, Plum, Currant, Gooseberry, Turnip, Chickweed.

Superfamily SATURNIOIDEA

Family SATURNIIDAE

Platysamia Grt.

807. euryalus *Bdv.* *rubra* N. & D.

a kasloensis *Ckll.* Californian Silk-moth.

1. Southern B.C.
2. April, May, June.
3. *Ceanothus sanguineus.* *Acer glabrum.* *Alnus rubra.* *Salix* spp. (Sallows). *Amelanchier alnifolia.* *Ribes sanguineum.* Currant and Gooseberry (cultivated vars.) *Shepherdia canadensis.*

Telea Hbn.

812. polyphemus Cram. *polypheme* Hbn. *rubra* Dean. Polyphemus Moth.

1. Southern B.C.
2. May, June, July.
3. *Salix* spp. *Alnus rubra.* *Alnus sitchensis.* *Acer macrophyllum,* *Betula occidentalis,* *Pyrus* spp. Apple (garden vars.) *Rosa* spp. *Prunus* spp. Cherry (garden vars.) *Ribes sanguineum.* *Corylus rostrata* var. *californica.*

Coloradia Blake.

822. lindseyi *B & B.*

* 1. Victoria. One specimen probably accidentally introduced.

Pseudohazis G & R. Sheep-moths.

840. eglanterina *Bdv.* *normalis* Dyar. Common Sheep-moth.

1. Southern Vancouver Island.
2. June, July, August.
3. *Spiraea discolor* Pursh. Ocean Spray. *Rosa* spp.

form shastaensis *Behrens.* Dark Sheep-moth.

1. Kootenays.
2. June, July.
3. *Salix* spp. (according to Dyar).

a. nuttalli *Stkr.* Nuttall's Sheep-moth.

1. Osoyoos.
2. June, July.
3. *Spiraea* spp.

841. hera *Harr.* *pica* Wlk. *chryosocarena* Harr. Sage-brush Sheep-moth.

1. Lillooet, Kamloops, Robson.
2. April, May, June, July.
3. Probably *Artemisia* spp.

Superfamily NOCTUOIDEA
Family AMATIDAE

Cisseps Franc. Scape-moths.

871. fulvicollis *Hbn.* *semidiaphana* Harr.

a pallens *Hy Edw.* Yellow-collared Scape-moth.

1. Brilliant.
2. July.

872. packardii *Grt.* *matthewi* Hy Edw. Western Scape-moth.

1. Southern Vancouver Island, Lower Fraser Valley, Southern Interior, Robson, Alexis Creek, Lac la Hache.
2. June, July.

a cocklei *Dyar.* Cockle's Scape-moth.

1. Penticton, Kaslo, Robson.
2. June, July.

Family NOLIDAE

Celama Wlk.

891. minna *Butl.* *hyemalis* Stretch. Western Black-arches.

1. Southern B.C.
2. April, May.
3. *Ceanothus sanguineus.*

Sarbena Walker.

897. minuscula *Zell.* Banded Black-arches.

1. Southern Vancouver Island.
2. May, June.
3. *Quercus garryana* dougl. Must be supplied with lichen from branches but eats leaves also.

Family NYCTEOLIDAE

Nycteola Hbn. Midgets.

Sarrothripus Curt.

3235. frigidana *Wlk.* *scriptana* Wlk. *lintnerana* Speyer.

1. Shuswap Lake.
2. August.
3. *Salix* spp.

var. britana *McD.*

1. Lower Fraser Valley, Vancouver Island.
2. August.
3. *Salix* spp.

columbiana *Hy Edw.* Variegated Midget.

1. Southern Vancouver Island.
2. April, May, August.
3. *Salix* spp.

cinereana *N & D.* Grey Midget.

1. Southern B.C.
2. April, May, June, July, August.
3. *Salix* spp. *Populus trichocarpa.*

Family ARCTIIDAE

Subfamily LITHOSIINAE. Footman Moths

Lexis Wallgr.

905. bicolor *Grt. argillacea* Pack. Yelllow-edged Footman.
   1. Kootenays, Southern Interior, Central Interior, Coast Region, Atlin.
   2. July, August.
   3. Lichens on trees as follows: *Picea engelmanni, Pseudotsuga taxifolia, Pinus contorta latifolia, Pinus monticola, Abies lasiocarpa, Larix occidentalis.*

Crambidia Pack.

911. casta *Pack. candida* Hy Edw. Pearly Footman.
   1. Southern Interior, Quesnel, Kaslo, Revelstoke, Nelson.
   2. August.

Clemensia Pack.

952. albata *Pack. albida* Wlk. *cana* Wlk. *irrorata* Hy Edw. Speckled Footman. Little White Lichen-moth.
   1. Southern B.C.
   2. June, July, August.
   3. Lichens.

Bruceia Neum.

955. pulverina *Neum.* Powdered Footman, Powdered Lichen-moth.

Hypoprepia Hbn.

958. miniata *Kby. vitatata* Harr. Scarlet Footman. Scarlet-winged Lichen-moth.
   1. Central Interior, Shuswap Lake, Vavenby, Kaslo, Nelson.
   2. July, August.
   3. Lichens on trees or stones.

Subfamily ARCTIINAE. Tiger-Moths.

Aemilia Kby.

964. roseata *Wlk. cinnamomea* Bdv. *sanguivenosa* Neum. Rosy Tiger.
   1. Lower Fraser Valley, Goldstream, Duncan.

Halisidota Hbn.

975. argentata *Pack.* Silver-spotted Tiger.
   1. Southern Vancouver Island, Lower Fraser Valley, Ramsay Arm.
   3. *Abies grandis, Pseudotsuga taxifolia, Tsuga heterophyllia, Pinus contorta latifolia, Picea* spp. Spruce, including garden vars. After being dislodged by high winds will feed on a number of shrubs such as *Ribes sanguineum, Salix* spp. and others.

980. maculata *Harr.*

   a angulifera *Wlk.* Mottled Tiger. Spotted Tussock Moth.
   1. Prince Rupert, Southern B.C.
   2. May, June, July.
   3. *Alnus rubra, Pyrus malus, Spiraea discolor, Ribes sanguineum, Arbutus menziesii, Amelanchier alnifolia, Spiraea douglassii, Salix* spp.

Cycnia Hbn.

Ammalo Wlk.

991. tenera *Hbn.* *collaris* Fitch. *antica* Wlk. Delicate Tiger.
   1. Southern Interior, Kootenays, Duncan.
   2. June, July.
      a sciurus *Bdv.* *yosemite* Hy Edw.
   1. Nelson, Robson, Warfield.

Euchaetias Lyman.

1005. oregonensis *Stretch.*
   1. Lillooet.
   2. May.

Eubaphe Hbn.

1023. ferruginosa *Wlk.* *trimaculosa* Reak. (partim). Spotted Salmon Tiger
   1. Southern Interior, Kootenays, Fort George.
   2. June, July.
      a immaculata *Reak.* *trimaculosa* Reak. (partim) Plain Salmon Tiger.
   1. Southern Interior, Windermere, Revelstoke, Likely.
   2. June, July.

Phragmatobia Steph.

1028. fuliginosa *L.*
      a rubricosa *Harr.* *borealis* Staud. Ruby Tiger.
   1. Lower Fraser Valley, Alberni, Vernon.
   2. April, May.
   3. *Rumex* spp., Dock, *Taraxacum* spp., *Solidago* spp., *Plantago* spp., *Myrica gale* L. Sweet Gale. (Bay-berry).

Neoarctia N & D.

1031. beanii *Neum.* Bean's Tiger.
   1. Kaslo.
   2. August.

Apantesis Wlk.

1034. intermedia *Stretch.*
      form stretchii *Grt.*
   1. Shuswap Lake.
   2. August.

1035. parthenice *Kby.* *saundersii* Grt. *circa* Stretch. Parthenice Tiger.
   1. Vernon, Chase, Invermere, Shuswap Lake.
   2. July, August.

1037. doris *Bdv.* Pink-banded Tiger.
   1. Southern Interior, Trail.
   2. May.

form nerea *Bdv.* *michabo* Grt. White-banded Tiger.
1. Vavenby.
2. May.

1039. ornata *Pack.* *shastaensis* French. *simplicior* Butl. *perpicta* Dyar. Ornate Tiger.
1. Southern Interior, Kootenays, Mount Cheam.
2. June.
3. *Polygonum aviculare* L. Knotgrass.
form achaia *G & R.* *maculosa* Stretch. *rivulosa* Stretch.
1. Southern Interior, Kootenays.
2. May, June.
form ochracea *Stretch.*
1. Southern Interior, Kootenays.
2. June.
a complicata *Wlk.* *barda* Hy Edw. Island Tiger.
1. Southern Vancouver Island.
2. April, May, June, July.

1047. nevadensis *G & R.*
c superba *Stretch.* Nevada Tiger. Superb Tiger.
1. Southern Interior, Riske Creek.
2. August.

1050. elongata *Stretch.* *dieckii* Neum. Columbian Tiger.
1. Central Interior, Southern Interior, Rossland.
2. July.

Nemeophila Steph.

1062. plantaginis *L.* *petrosa* Wlk. *caespitis* G & R. *cichorii* G & R. Black & White Tiger.
1. Vavenby, Kamloops, Lac la Hache.
2. July.
form male hospita *D & S.*
1. Taku River, Lytton, Vavenby.
form geometrica *Grt.*
1. Mount Cheam, Princeton.
form geddesi *Neum.*
1. Southern Interior, Mount Cheam.
form scudderi *Pack.* *selwynii* Hy Edw.
1. Vavenby.

Leptarctia Stretch.

1063. californiae *Wlk.* *lena* Bdv. *adnata* Bdv. *fulvofasciata* Butl. *wrightii* French. ?*melanis* Bdv. ?*californicus* Bdv. Californian Tiger.
1. Southern Vancouver Island, West Vancouver, Shuswap Lake, Okanagan Falls, Kootenays.
2. April, May, June.
3. *Stellaria* spp., Chickweed. *Plantago* spp., *Pentstemon* spp. Beard-tongue. *Castilleia* spp. Indian Paint Brush. Will eat *Taraxacum* sp. Oak and Willow.
form decia *Bdv.* *boisduvalii* Butl, *latifasciata* Butl. *albifascia* French. *occidentalis* French.

1. Southern Vancouver Island, West Vancouver, Shuswap Lake, Okanagan Falls, Kootenays.
2. May.

form dimidiata *Stretch.* *stretchi* Butl.

1. Southern Vancouver Island, West Vancouver, Shuswap Lake, Okanagan Falls, Kootenays.
2. April, May.

Diacrisia Hbn.

1065. virginica *Fabr.* *congrua* Wlk. (fem.): The Woolly Bear (larva.). Virginian Tiger. The Ermine.

1. Generally distributed.
2. May, June, July.
3. *Sambucus racemosa* L., *Symphoricarpus*, *Pyrus* spp., *Acer* spp., *Cytisus scoparius*, *Vicia* spp. Vetch and Wild Pea, also garden Pea, *Pteris aquilina*, Sweet Lavender and Dahlia.

1066. vagans *Bdv.* *rufula* Bdv. (fem.): *bicolor* Wlk. (male), *punctata* Pack (male). Wandering Tiger.

1. Southern Interior, Vancouver.
2. May.

a kasloa *Dyar.* Kaslo Tiger.

1. Kootenays, Shuswap Lake.
2. May, June.
3. *Rumex* sp. Dock. *Taraxacum* spp., *Lupinus* spp., *Oxyria* spp. Sorrel, *Chenopodium album.*

1067. pteridis *Hy Edw.* *danbyi* Neum. Brown Tiger.

1. Southern Vancouver Island, Lower Fraser Valley, Southern Interior.
2. May, June.
3. *Pteris aquilina, Amelanchier alnifolia, Spiraea discolor* dds snqnY ' *Plantago major, Plantago lanceolata.*

a rubra *Neum.* Ruddy Tiger.

1. Southern Vancouver Island.
2. April, May, June.
3. As above.

Isia Wlk.

1069. isabella *A & S.* *californica* Pack. Isabella Tiger. Banded Woolly Bear (larva).

1. Generally distributed.
2. June, July.
3. *Spiraea discolor, Spiraea douglasii, Pteris aquilina, Plantago lanceolata, Epilobium adenocaulon.*

Estigmene Hbn.

1070. acrea *Dru.* *caprotina* (male) Dru. *menthrastrina* Martyn. *pseuderminea* Harr. *californica* Pack. *packardii* Schaupp. *ricksecker*i (fem.) Behr. *echo* (fem.) Roths. *klagesii* Ehrm. Saltmarsh Tiger. False Ermine.

1. Southern Interior, Kaslo, Brilliant, Nelson, Warfield, Duncan.
2. May, June.
3. *Amelanchier alnifolia.*

1073. congrua *Wlk.* *antigone* Stkr. The White-bodied Saltmarsh Tiger.
1. Shuswap Lake.
2. May, June.

Hyphantria Harr.

1074. textor Harr. *candida* Wlk. Western Web-worm.
1. Southern Vancouver Island, Lower Fraser Valley, Southern Interior, Ramsay Arm.
2. June, July.
3. *Salix lasiandra, Alnus rubra, Crataegus brevispina, Pyrus malus.*

Parasemia Hbn.

Hyphoraia Hbn.

1092. parthenos Harr. *borealis* Moesh. Saint Lawrence Tiger.
1. Southern Interior, Kootenays, Williams Lake.
2. June, July.

1095. yarrowii *Stretch.* Mountain Tiger.
1. Mount Cheam, Mount Field, Mount Stephen, Atlin.
2. June, July.

Platyprepia Dyar.

1096. guttata *Bdv.* Ranchman's Tiger.
1. Vernon, Chase, Shuswap Lake.
2. June.

form virginalis *Bdv.*
1. Southern B.C.
2. July.

form ochracea *Stretch.*
1. Shuswap Lake.
2. June, July.

Arctia Schrank.

1098. caja *L.*

d americana *Harr.* The Great Tiger. Garden Tiger.
1. Southern B.C.
2. July, August.
3. *Urtica* sp. *Pteris aquilina L, Populus tremuloides, Populus trichocarpa.*

Family AGARISTIDAE The Foresters

Androloma Grt.

1109. mac-cullochi *Kby.* Northern Forester.
1. Southern Interior, Kootenays, Mount Cheam, Atlin.
2. May, June, July.

Alypia Hbn.

1116. langtoni *Couper.* *sacramento* G & R. *hudsonica* Hy Edw. Sylvan Forester.
1. Southern Vancouver Island, Lower Fraser Valley, Shuswap Lake, Nicolum Valley, Sandon, Kaslo, Nelson, Robson.
2. May, June, July, August.

1117. ridingsi *Grt.* Mountain Forester.
1. Southern Vancouver Island, Shuswap Lake, Robson.
2. May, June, July.
3. *Oenothera* sp. Evening Primrose.

Family PHALAENIDAE Owlet Moths

Subfamily PANTHEINAE

Colocasia Ochs.

1122. flavicornis *Sm.*
1. Southern Interior, Kootenays.

Panthea Hbn.

1126. portlandia *Grt.* Western Panthea.
1. Southern B.C.
2. April, May, July, August.
3. *Pseudotsuga taxifolia, Larix occidentalis, Pinus monticola.*

var. suffusa *McD.*
1. Barriere, Upper Thompson River.
2. July.
3. *Picea Engelmanni.*

1128. virginaria *Grt.*
1. McBride, Edgewood.
2. May, June, July.
3. *Pseudotsuga taxifolia.* *Picea* sp.

1129. gigantea *French.* Giant Panthea.
1. Merritt.
2. July, August.

Raphia Hbn.

1141. frater *Grt.* *personata* Wlk. *flexuosa* Wlk. The Brother.
1. Penticton, Kaslo, Lillooet, Shuswap Lake.
2. June, July.

Subfamily ACRONICTINAE

Acronicta Ochs. Dagger Moths.

1152. hesperida *Sm.* Large Grey Dagger.
1. Southern Vancouver Island, Lower Fraser Valley, Kootenays, Shuswap Lake.
2. June, July, August.
3. *Alnus rubra.*

1153. lepusculina *Gn.* *populi* Riley. *cretata* Sm. *chionochroa* Hamp. *cinderella* Sm. Chalky Dagger.
1. Wellington, Duncan, Fraser Mills, Rossland.
a felina *Grt.* *frigida* Sm. *pacifica* Sm.
1. Kaslo.
2. June.
b cyanescens *Hamp.* *metra* Sm. *turpis* Sm. *amicora* Sm. Columbia Dagger.
1. Southern Vancouver Island, Vancouver, Vavenby, Kaslo, Yahk.
2. June, July.
3. *Salix scouleriana, Salix barclayi,* (Sallows) and probably other spp. in this group.

1154. leporina L.
c moesta *Dyar.* Kaslo Dagger.
1. Kaslo, Lillooet.

1155. innotata *Gn.* *graefi* Grt. Unmarked Dagger.
1. Southern Interior, Kootenays, Fraser Mills.
2. May, June, July.
3. *Betula* sp.
ab. griseor *Dyar.*
1. Southern Interior, Kootenays, Fraser Mills.
2. May, June, July.

1157. radcliffei *Harv.* Radcliffe's Dagger.
1. Saanichton, Shawnigan Dist. (Mill Bay), Duncan, Lillooet.
2. June, July.
3. *Amelanchier alnifolia, Prunus emarginata, Prunus* spp. Garden vars. of Plum, *Crataegus brevispina, Pyrus* spp. Crab Apple, Apple, *Prunus* sp. Ornamental Cherry, also Quince.

1160. grisea *Wlk.* Colorado Dagger.
a revellata *Sm.* Colorado Dagger.
1. Southern Vancouver Island, Lower Fraser Valley, Lillooet, Shuswap Lake, Birch Island, Kootenays.
2. May, June, July.
3. *Alnus rubra, Salix* spp. Willows, including ornamental vars.

1161. tartarea *Sm.* Island Dagger.
1. Southern Vancouver Island, Northern Okanagan.
2. June, July.

1166. mansueta *Sm.* Gentle Dagger.
1. Vernon, Lillooet, Kaslo, Brilliant.
2. May, June, July.

1168. funeralis *G & R.* Mourning Dagger. American Alder Moth.
1. Victoria, Shawnigan Dist. (Mill Bay), Duncan, (Mount Prevost), Vernon, Shuswap Lake, Kootenays.
2. May, June, July.
3. *Crataegus brevispina, Salix* spp. (Sallows), and Willows including ornamental vars., *Populus* spp. Carolina Poplar. *Pyrus* sp. Apple, *Prunus* spp. Plum, garden and ornamental vars. *Alnus rubra, Acer glabrum.*

1175. furcifera *Gn.* Forked Dagger.
1. Shuswap Lake.
2. June.
3. *Prunus* spp. Wild Cherry.

a manitoba *Sm.* Manitoba Dagger.
1. Kaslo.
2. June.

1178. strigulata *Sm.* Streaky Dagger.
1. Lillooet.
2. July.

1182. interrupta *Gn. occidentalis* G & R. Interrupted Dagger.
1. Fly Hills, Salmon Arm, Blue River.
2. May.
3. Betula spp., *Ulmus* spp., also on spp. of *Rosaceae*

1185. fragilis *Gn.*

a minella *Dyar.* Chain-dotted Dagger.
1. Southern Interior, Kaslo.
2. May, June, July.
3. *Betula* sp., *Rosaceae.*

b fragiloides *B & B.* Fragile Dagger.
1. Southern Vancouver Island, Fraser Mills.
2. June, July.
3. *Crataegus brevispina, Amelanchier alnifolia* Nutt. June-berry, *Prunus* spp. Plum, garden vars.

1187. ovata *Grt.* Sordid Dagger.
1. Agassiz.
2. July.

1200. marmorata *Sm.* Marble Dagger.
1. Duncan, Shawnigan District.
2. July.

1201. impleta *Wlk.*

a illita *Sm.* Powdered Dagger.
1. Southern Vancouver Island, Armstrong, Shuswap Lake, Kaslo, Nelson.
2. May, June, July.
3. *Alnus rubra, Pyrus* spp. Apple and Crab Apple (ornamental vars.), *Salix* spp. (Sallows), *Quercus robur,* English Oak (in gardens).

1206. distans *Grt.*

a dolorosa *Dyar.* Doleful Dagger.
1. Southern Vancouver Island, Southern Interior, Kootenays.
2. May, June.
3. *Alnus rubra, Rosa* spp.

1211. perdita *Grt.* Pacific Dagger.
1. Kootenays, Shuswap Lake, Lillooet, Victoria, Shawnigan District (Mill Bay), Duncan (Mount Prevost).
2. May, June, July.
3. *Alnus rubra, Amelanchier alnifolia, Pyrus* spp.

1215. oblinita *A & S. salicis* Harr. Smeared Dagger.
1. Vancouver.
2. June.
3. *Polygonum* spp. Knotgrass, and "a great variety of shrubs and herbaceous plants." (Holland).

1216. lanceolaria *Grt.* Pointed Dagger.
1. Trail.
2. May.

Merolonche Grt.

1217. lupini *Grt.* Lupine Dagger.
1. Kaslo.

1220. atlinensis *B & B.*
1. Atlin.

1221. ursina *Sm.* The Little Bear.
1. Wellington, Kaslo, Brilliant.
2. June.

Subfamily PHALAENINAE.

(Agrotinae)

Agrotiphila. Grt. Darts.

1224. incognita *Sm.* Signal Dart.
1. Mount McLean, Mount Garibaldi.
2. August.

Euxoa Hbn. Darts.

1232. olivia *Morr.*
form anacosta *Sm.* Olive Dart.
1. Lillooet, Penticton, Brilliant.
2. September.

1234. cicatricosa G & R. *teplia* S. Scared Dart.
1. Lillooet, Penticton.
2. September.

1235. cinereopallida *Sm.* Ashy Dart.
1. Southern Interior.
2. September.

1238. quadridentata *G & R.*
a flutea *Sm.* Fluted Dart.
1. Alkali Lake, Chilcotin, Keremeos, Fort Steele.
2. September.

1243. andera *Sm.* Grey-shouldered Dart.
1. Southern Interior, Duncan.
2. August, September.

1244. atristrigata *Sm.* Black-streaked Dart.
1. Lillooet.
2. September.

1245. nevada *Sm.* *floramina* Sm. Nevada Dart.
1. Lillooet.
2. September.

1246. plagigera *Morr.* Plaited Dart.
1. Southern Interior, Kootenays, Hanceville.
2. May, July.

1249. oblongistigma *Sm.* *agema* Stkr. Oblong Dart.
1. Lillooet.
2. June, July.

1250. ridingsiana *Grt.* *maimes* Sm. Ridings' Dart.
1. Central Interior, Southern Interior, Kootenays.
2. July, August, September.

1251. perolivalis *Sm.*
* 1. Brilliant.
2. July.

1252. flavicollis *Sm.* Yellow-lined Dart.
1. Williams Lake, Vavenby, Shuswap Lake, Kaslo.
2. July, August.

1257. catenula *Grt.* *contagionis* Sm. Chain-dotted Dart.
1. Central Interior, Southern Interior, Kootenays.
2. May, July, August.

1258. lindseyi *Blackmore.* Spotted Grey Dart.
1. Southern Vancouver Island.
2. August, September.

1259. pallipennis *Sm.* *alcesta* Sm. Pallid Dart.
1. Nicola Lake.
2. August.

1260. satiens *Sm.* Mottled Dart.
1. Lillooet, Penticton, Fort Steele, Cranbrook.
2. August.

1269. feniseca *Harv.* Meadow Dart.
1. Lillooet, Nicola Lake.
2. August.

1274. intrita *Morr.* Tippling Dart.
1. Central Interior, Southern B.C.
2. July, August, September.
form strigilis *Grt.* *titubatis* Sm.

1. Central Interior, Southern B.C.
2. July, August, September.

form reuda *Stkr.*

1. Central Interior, Southern B.C.
2. July, August.

1276. rufula *Sm.* Mountain Dart.

a basiflava *Sm.*

1. Mount McLean, Feld, Princeton.
2. August.

1278. infracta *Morr.* *rubefactalis* Grt.

1. Salmon Arm, Shuswap Lake, Kaslo
2. July, August.

1280. infausta *Wlk.* *numa* Stkr. Variable Dart.

1. Southern B.C.
2. June, July, August, September.

1282. holoberba *Sm.* Dingy Dart.

1. Penticton, Kaslo, Rossland, Brilliant.
2. October.

1283. satis *Harv.*

1. Merritt, Victoria.
2. August.

1284. sponsa *Sm.*

1. Brilliant, Shuswap Lake.
2. July, August.

1289. perfusca *Grt.* Sombre Dart.

1. Stuart Lake, Creston, Shuswap Lake.
2. August.

a cocklei *Sm.* Cockle's Dart.

1. Kootenays, Salmon Arm, Lillooet.
2. June, July, August.

1290. excogita *Sm.* Colorado Dart.

1. Vevenby.
2. August.

1291. punctigera *Wlk.* *pastoralis* Grt. Smoky Dart.

1. Duncan, Lillooet, Kaslo.
2. July, August, September.

1292. perpolita *Morr.*

1. Shuswap Lake.
2. August.

1293. exculta *Sm.* Plain Dart.

1. Vavenby.
2. August.

1294. stigmatalis *Sm.* Stigma Dart.
1. Lillooet, Salmon Arm, Shuswap Lake.
2. July, August.
a atrofusca *Sm.*
1. Vavenby.
2. August.

1301. choris *Harv.* *cogitans* Sm. *achor* Stkr.
1. Lillooet.
2. June, July.

1309. mimallonis *Grt.* *rufipennis* Grt. Ruddy Dart.
1. Princeton, Lillooet.
2. July.
a gagates *Grt.*
1. Lillooet, Likely, Shuswap Lake.
2. August, September.

1310. messoria *Harr.* *spissa* Gn. *inextricata* Wlk. *indirecta* Wlk. *displiciens* Wlk. *expulsa* Wlk. *ordinata* Wlk. *reticens* Wlk. *cochrani* Riley. *repentis* G & R. *confracta* Morr. Reaper Dart.
1. Generally distributed.
2. June, July, August, September.
a territorialis *Sm.* *fulda Sm.*
1. Sandon, Revelstoke.
2. August.
form atrifera *Grt.* *pindar* Sm. Dark-sided cutworm. Sinuous Dart.
1. Southern Vancouver Island, Salmon Arm, Shuswap Lake, Kaslo, Revelstoke.
2. August.

1311. septentrionalis *Wlk.* *incubita* Sm. *relaxa* Sm. Northern Dart.
1. Southern Vancouver Island, Vavenby, Riske Creek.
2. August, September.

1314. terrena *Sm.* *lagganae* Sm. Laggan Dart.
1. Lillooet, Brilliant, Kaslo.
2. June, July, August.

1317. brunneigera *Grt.* Brown Dart.
1. Southern Vancouver Island.
2. August.

1318. atropulverea *Sm.* refer to luteotincta *McD* below. (For B.C. specimens).
luteotincta *McD.*
1. Cowichan Bay, Summerland, Peachland, Lillooet, Seton Lake, Shuswap Lake, Kaslo, Brilliant.
2. August, September.

1319. setonia *McD.* Seton Lake Dart.
1. Seton Lake, Kaslo.
2. June, July.

1322. ontario *Sm.* Ontario Dart.
1. Lillooet, Shuswap Lake.
2. August.

1323. comosa *Morr.* Hairy Dart.
1. Kaslo.

1324. quinquelinea *Sm.* Five-lined Dart.
1. Shuswap Lake.
2. August, September, October.
a lutulenta *Sm.* Muddy Dart.
1. Southern B.C.
2. July, August, September.
b incallida *Sm.* Stupid Dart.
1. Southern Interior, Kaslo, Bear Lake Mountain, Sandon.
2. July, August, September.

1329. quebecensis *Sm.*
a dolens *Sm.*
1. Arrowhead.
b quinta *Sm.*
1. Kaslo.

1340. murdocki *Sm.* Red-banded Dart.
1. Lillooet, Nicola Lake.
2. August.

1341. tessellata *Harr.* *insignata* Wlk. *illata* Wlk. *maisi* Fitch. *insulsa* Wlk. *subsignata* Wlk. *perlentans* Wlk. Tessellate Dart. Striped Cutworm (larva).
1. Shuswap Lake, Robson.
2. June, July.
a atropurpurea *Grt.* *finis* Sm.
c falviscapula *Sm.*
1. Salmon Arm, Shuswap Lake.
2. July, August.
d tesselloides *Grt.* *neotelis* Sm. *objurgata* Sm. *cariosa* Sm. *focina* Sm. *laminis* Sm.
1. Southern B.C. June, July, August.

1343. esta *Sm.* Dark-brown Dart.
1. Southern B.C., Stuart Lake.
2. August, September.

1344. atomaris *Sm.* Black Dart.
1. Summerland, Shawnigan District (Mill Bay).
2. July August, September.

1351. declarata *Walk.* *decolor* Morr. Clear Dart.
1. Southern Vancouver Island, White Rock, Kaslo, Robson, Shuswap Lake.
2. July, August, September.

1352. campestris *Grt.* Flat Dart.
1. Central Interior, Southern Interior, Brilliant.
2. July, August.

1353. verticalis *Grt.*
1. Shuswap Lake.
2. June, July, August.

1354. albipennis *Grt.* (female) *nigripennis Grt.* White-Winged Dart.
1. Southern Interior, Kaslo, Brilliant, Robson, Hanceville.
2. August, September.

1355. lillooet. *McD.* Lillooet Dart.
1. Seton Lake, Salmon Arm, Shuswap Lake.
2. June, July, August.

1356. colata *Grt.* Oregon Dart.
1. Mount McLean, Sandon.
2. August.

1362. dissona *Moesch.*
1. Field.
2. July.

1363. macleani *McD.*
1. Mount McLean.
2. July.

1366. divergens *Wlk.* *versipellis* Grt. Divergent Dart.
1. Southern Vancouver Island, Stikine River, Atlin, Merritt, Shuswap Lake, Kaslo, Brilliant.
2. June, July, August.
a abar *Stkr.* *factoria* Sm.
1. Southern Vancouver Island.
2. June.

1370. obeliscoides *Gn.* *sexatilis* Grt. Obelisk Dart.
1. Southern Interior, Kootenays, Goldstream, Shawnigan District. (Mill Bay).
2. August, September.

1371. redimacula *Morr.* Fillet Dart.
1. Southern Interior, Kaslo, Atlin, Alexis Creek.
2. July, August.

1372. costata *Grt.* Red Dart.
1. Southern Vancouver Island, Southern Interior, Kaslo, Revelstoke.
2. June, July, August.
a idahoensis *Grt.* *furtiva* Sm.
1. Central Interior, Southern Interior, Kootenays, Vancouver.
2. June, July, August.

1378. ochrogaster *Gn.* *turris* Grt. Ochreous Dart.
1. Southern Interior, Kootenays.
2. July, August, September.
form insignata *Wlk.* *cinereomacula* Morr.
1. Southern Vancouver Island, Central Interior, Southern Interior, Kootenays.
2. August, September.

form gularis *Grt.*

1. Shawnigan District (Mill Bay), White Rock, Southern Interior, Kootenays.
2. August.

1379 excellens *Grt.* *perexcellens* Grt. Grey Cutworm. Elegant Dart.

1. Central Interior, Southern B.C.
2. July, August, September, October.
3. Many herbaceous plants, field crops, vegetables, (a troublesome cutworm).

a infelix *Sm.*

1. Kaslo, Fort Steele.
2. August.

1382. tristicula *Morr.*

1. Windermere.
2. July.

form nesilens *Sm.*

1. Windermere.
2. July.

1383. brocha *Morr.* *brochus* Morr. Black-collared Dart.

1. Central Interior, Southern B.C.
2. July, August, September.

1386. vetusta *Wlk.* *tetra* Wlk. *euroides* Grt. *perpura* Morr. Silver-grey Dart.

1. Southern Vancouver Island, Lower Fraser Valley.
2. July, August.

Chorizagrotis Sm. Darts.

1387. auxiliaris Grt. (male) *introferens* Grt.

soror Sm. Auxiliary Dart. Army Cutworm (larva).

1. Kootenays, Lillooet.
2. June, July, August, September.

form agrestis *Grt.* *mercenaria* Grt.

1. Southern Interior, Kaslo, Kokanee Mountain.
2. August.

1389. thanatologia *Dyar.* Sordid Dart.

1. Nicola Lake, Salmon Arm, Shuswap Lake, Kaslo.
2. September.

form sordida *Sm.*

1. Riske Creek, Kaslo.
2. September.

form boretha *Sm.*

1. Kaslo.
2. September.

form perfida *Dod.*

1. Vavenby, Kaslo.
2. June, July, August.

Protexarnis McD.

1391. balanitis *Grt.*
1. Kaslo.
2. August.

Pseudorthosia Grt. Darts.

1403. variabilis *Grt.* Yellow Dart.
1. Southern Vancouver Island, Southern Interior, Kaslo.
2. August, September.
a pallidior *Ckll.*
1. Nelson, Robson.
2. October.

Agrotis Ochs. Darts

1416. vetusta *Wlk.*
a catenuloides *Sm.*
1. Shuswap Lake.
2. July, August.
b mutata *B & B.* Muted Dart.
1. Southern Interior, Kaslo, Robson.
2. August.

1419. mollis *Wlk.* *fernaldi* Morr.
1. Cranbrook.

1426. vancouverensis *Grt.* *hortulana* Morr. *agilis* Grt. Vancouver Dart.
1. Southern Vancouver Island, Lower Fraser Valley, Kaslo, Brilliant.
2. May, June, July, August.
a semiclarata *Grt.*
1. Brilliant, Robson, Shuswap Lake.
2. May, June.

1432. volubilis *Harv.* Voluble Dart.
1. Lower Fraser Valley, Kootenays, Salmon Arm, Shuswap Lake, Duncan.
2. May, June.
b fumipennis *McD.*
1. Robson.
2. May.

1435. ypsilon *Rott.* *suffusa* Schiff. *telifera* Harr. Long-cloaked Dart. Dark Sword-grass. Ypsilon Dart. Black Cutworm (larva).
1. Southern Vancouver Island, Lower Fraser Valley, Lillooet, Kaslo, Nelson, Robson.
2. April, May, June, July, August, September.
3. Roots of grass, roots and leaves of many low growing plants also swedes, mangold wurzels, etc. (according to R. South).

Feltia Wlk. Darts.

1442. ducens *Wlk.* *radiata* Harr. Gothic Dart.
1. Southern B.C.
2. July, August, September.

1445. subgothica *Haw.* *jaculifera* Gn. *tricosa* Lint. Dingy Cutworm.
1. Kaslo.
2. August.

1446. herilis *Grt.* Master Dart.
1. Southern B.C.
2. July, August.

Actebia. Steph. Darts.

1452. fennica *Tauch.* *intracta* Wlk. Finland Dart. Black Army Cutworm (larva).
1. Central Interior, Vavenby, Shuswap Lake, Kaslo, Atlin.
2. June, July, August
3. *Corydalis* spp. Fumitory.

Copablepharon Harv.

1458. viridisparsa *Dod.*
1. Lillooet.
2. August.
3. *Brassica* spp. Mustard.

Spaelotis Bdv. Darts

1472. clandestina *Harr.* *unicolor* Wlk. *nigriceps* Wlk. Unicolorous Dart. w-marked Cutworm.
1. Central Interior, Southern B.C.
2. June, July, August, September.

1473. havilae *Grt.* Havilah Dart.
1. Duncan, Salmon Arm, Shuswap Lake.
2. July.

Eurois. Hbn. Darts.

1475. occulta *Linn.* Great Grey Dart. Great Brocade.
1. Southern B.C., Stuart Lake.
2. June, July, August, September.
3. In autumn on *Taraxacum* spp. Dandelion, *Polygonum* spp. Knotgrass, *Rumex* spp. Dock, *Plantago* spp. Plantains, and in spring on *Salix* spp. (Sallows), *Betula* sp., *Rubus* spp. Blackberry, *vaccinium* spp. Blueberry, etc.

1476. astricta *Morr.*
a subjugata *Dyar.* Great Brown Dart.
1. Southern Interior, Kootenays, Victoria, Forbidden Plateau at at 2100 feet.
2. July, August.

1477. nigra *Sm.* Great Black Dart.
1. Southern Interior, Kootenays.
2. August, September.

Ochropleura Hbn. Darts.

1480. plecta *L.* *vicaria* Wlk. Flame-shouldered Dart.
1. Southern Vancouver Island, Lower Fraser Valley, Kootenays.
2. June, July, August.
3. *Polygonum* spp. Knotgrass, *Plantago* spp. Plantains, *Rumex* spp. Dock, *Senecio* spp. Groundsel.

Metalepsis Grt. Darts.

1492. cornuta *Grt.* Horned Dart.
1. Southern Vancouver Island, Vancouver.
2. March, April.

1494. salicarum *Wlk.* *claviformis* Morr. *orilliana* Grt. Willow Dart.
1. Southern Interior, Kaslo, Nelson.

Peridroma Hbn. Darts.

1496. margaritosa *Haw.* *inermis* Harr. Pearly-winged Dart. Variegated Cut-worm (larva).
1. Southern B.C.
2. April, May, June, July, August, September, October, November, December.
3. *Brassica* spp., *Plantago* spp., *Mimulus* spp. Monkey Flower, *Cirsium lanceolatum* L. Spear Thistle, *Epilobium angustifolium*, and many other low growing plants, also on *Salix* spp. (Sallows), *Alnus rubra*, *Amelanchier alnifolia*, *Prunus emarginata*, *Ribes sanguineum*, *Pteris aquilina*. Has been reported on *Pinus contorta latifolia*, also on seedlings of Cedar, Hemlock and Balsam.

form saucia *Hbn.*
1. Southern B.C.
2. As above.
3. As above.

Paradiarsia McD. Darts.

1498. littoralis *Pack.* Labrador Dart.
1. Atlin, Mount McLean.
2. June, July.

Pseudospaelotis McD. Darts.

1499. haruspica *Grt.* *unimacula* Morr. *grandis* Speyer.

a sierrae *Harv.* The Soothsayer. The Augur.
1. Marron Lake.

b inopinatus *Sm.* Alberta Dart.
1. Southern B.C.
2. June, July, August, September.
3. *Pyrus* spp.

Diarsia Hbn. Darts.

1503. calgary *Sm.* Calgary Dart.
1. Hope Mountains, Sahtlam (Duncan Dst.)
2. July.

1504. cynica *Sm.*

a perumbrosa *Dyar.* *umbrosa* Dyar. Shaded Dart.

1. Fraser Mills, Vernon, Kaslo, Shuswap Lake.
2. July, August.

(Note: Some authorities consider this species identical with rubifera Grt.)

1505. rubifera *Grt.* *perversa* Strand.

1. Northern Okanagan.

1506. dislocata *Sm.*

1. Seton Lake.
2. July.

1509. esurialis *Grt.* Hungry Dart.

1. Southern Vancouver Island, Vancouver.
2. June, July.

a pseusodrosaria *Hdwk.* pseusodrosaria *Hdwk.* Rosy Dart.

1. Southern B.C.
2. May, June, July, August, September, October.

(Formerly referred to as rosaria *Grt.*)

Graphiphora Ochs. Darts.

1511. c-nigrum *Linn.* Black-lettered Dart. Spotted Cutworm (larva).

1. Southern B.C.
2. May, June, July, August, September, October.
3. Low growing plants as Taraxacum spp., *Cerastium* spp. Chickweed, *Plantago* spp., *Senecio* spp. Groundsel, *Trifolium pratense* L., *Viola* spp., *Vaccinium* spp. Huckleberry, Blueberry.

1512. smithi *Snell.* *baja* Auct. Spotted Clay Dart..

1. Southern B.C.
2. June, July, August, September.
3. *Trifolium* spp.

1517. oblata *Morr.* *hilliana* Harv. Ruby Dart.

1. Southern Interior, Kootenays, Duncan, Alberni.
2. June, July, August.

1522. collaris *G & R.* Collared Dart.

1. Southern Interior.
2. June, July, August.

1524. flavotincta *Sm.* Yellow-tinted Dart.

1. Duncan, Shawnigan District, Wellington, Fraser Mills.
2. July, August.

Agrotimorpha B & B.

1532. maculata *Sm.*

1. Mount McLean.
2. July.

Setagrotis Sm.

1544. planifrons *Sm.*
1. Duncan, Lillooet (?), Brilliant.
2. July, August.

1545. cinereicollis *Grt.*
a vocalis *Grt.*
1. Kaslo.
2. July, August.

1547. atrifrons *Grt.*
1. Nicola Lake, Lillooet.
2. August.

1548. piscipellis *Grt.*
1. Nicola Lake, Lillooet.
2. July.

Anomogyna Staud.

1550. atrata *Morr.*
1. Robson.

1552. speciosa *Hbn.*
a arctica *Zett.* Arctic Dart.
1. Lillooet, Mount McLean.
2. July.

1555. perquiritata *Morr.*
a partita *McD.* Divided Dart.
1. Kaslo.
2. August.
3. *Picea glauca albertiana*, Western White Spruce. *Picea mariana*, Black Spruce, *Abies grandis.*

1556. laetabilis *Zett.* Joyful Dart.
1. Atlin.
2. July.

1560. mustelina *Sm.* *occidens* Hamp. Western Dart.
1. Southern Vancouver Island, Ucluelet, Fraser Mills, Penticton, Kaslo, Mount Revelstoke, Clinton, Sicamous.
2. July, August.
3. *Picea engelmanni.*

1561. elimata *Gn.* Smooth Dart.
1. Salmon Arm, Shuswap Lake, Barriere, Dixon Creek, Louis Creek.
2. August.
3. *Pseudotsuga taxifolia* Douglas Fir, *Picea engelmanni, Picea mariana* Black Spruce, *Picea glauca albertiana* Sarg. Western White Spruce, *Abies grandis* Balsam. *Tsugo heterophylla* Western Hemlock, *Pinus contorta latifolia* Lodgepole Pine, (Jack Pine).

1563. infimatis *Grt.* Lowly Dart.
1. Southern Vancouver Island, West Vancouver, Kaslo.
2. August, September.

1564. vernilis *Grt.* *filiis* Sm.
1. Southern Interior, Kootenays.
2. July, August.

Adelphagrotis Sm. Darts.

1565. stellaris *Grt.* Glittering Dart.
1. Southern Vancouver Island, Seton Lake.
2. July, August.

1567. indeterminata *Wlk.* *washingtoniensis* Grt. Yellow-spotted Dart.
1. Southern Vancouver Island, Salmon Arm, Shuswap Lake, Seton Lake, Kaslo, Revelstoke.
2. July, August, September.

Aplectoides Butl.

1568. condita *Gn.* *trabalis* Grt.
1. Shuswap Lake.
2. June.

Anaplectoides McD. Darts

1569. pressus *Grt.* Broad-winged Dart.
1. Saanichton, Brilliant, Northern Okanagan.
2. July.
a fales *Sm.*
b discolor *Sm.*
1. Skeena River, Inverness.
2. June, July.
c abbea *Sm.*
1. Lower Fraser Valley, Duncan, Alberni.
2. July.

1570. prasina *Schiff.* *herbacea* Gn. Green-winged Dart. Green Arches.
1. Southern B.C., Vanderhoof.
2. July, August, September, October.
3. In autumn on *Rumex* spp. and other low plants, *Rubus* spp. Bramble, in spring on shoots and young growth of *Salix* spp. (Sallows) and *Vaccinium* spp. Blueberry, Huckleberry.

Protolampra McD. Darts

1571. rufipectus *Morr.* Red-breasted Dart.
1. Central Interior, Southern B.C., Atlin.
2. July, August.

Pseudoglaea Grt. Darts.

1574. olivata *Harv.* *blanda* Grt. *taedata* Grt. *decepta* Grt. Cloudy Dart.
1. Southern Vancouver Island, Southern Interior, Robson.
2. August, September.

Cryptocala Benj. Darts.

1575. acadiensis *Beth.* *gilvipennis* Grt. Catocaline Dart.
1. Central Interior, Southern B.C.
2. June, July, August.

Eueretagrotis Sm. Darts.

1577. perattenta *Grt.* Two-spot Dart.
1. Alberni, Chilliwack, New Westminster, Vernon, Shuswap Lake, Northern Okanagan.
2. July.

a inattenta *Sm.*
1. Shuswap Lake.
2. July.

Hemigraphiphora. McD. Darts.

1580. plebeia Sm. Inferior Dart.
1. Southern Vancouver Island, Lower Fraser Valley, Kootenays, Seton Lake.
2. July, August, September.
3. *Taraxacum.*

Abagrotis Sm. Darts.

1581. erratica *Sm.* Ornate Dart.

a ornatus *Sm.* Ornate Dart.

1. Southern Interior, Kaslo, Brilliant, Victoria, Shawnigan Dist.
2. July, August.

1584. vittifrons *Grt.* Ribbon Dart.
1. Lillooet.
2. July.

1587. apposita *Grt.* Banded Dart.
1. Southern Vancouver Island, Shuswap Lake, Seton Lake, Kaslo.
2. July, August, September.

1589. trigona *Sm.* Luteous Dart.
1. Southern Vancouver Island, Southern Interior, Kootenays.
2. July, August.

1590. sambo *Sm.* Columbia Dart.
1. Southern Vancouver Island, Southern Interior, Kootenays.
2. July, August, September.
3. *Fragaria* spp.

1592. turbulenta *McD.* Turbulent Dart.
1. Seton Lake.
2. June, July.

1593. placida *Grt.* Placid Dart.
1. Southern Interior, Kootenays, Vancouver, Shawnigan District.
2. July, August, September.

1595. forbesi *Benj.* Forbe's Dart.
1. Duncan, Lillooet.
2. August.

1596. duanca *Sm.*
1. Lillooet.
2. July.

1597. nefascia *Sm.* Arizona Dart.
1. Southern Vancouver Isalnd, Seton Lake, Nelson.
2. July.

1598. variata *Grt.* *varix* Grt. Variable Dart.
1. Southern B.C.
2. June, July, August, September.

1599. scopeops *Dyar.* Kaslo Dart.
1. Kaslo, Robson, Shuswap Lake, Victoria.
2. June, July, August, September.

1600. pulchrata *Blackmore.* Beautiful Dart.
1. Duncan, Cowichan Bay.
2. July, August.

Rhynchagrotis Sm. Darts.

1604. anchocelioides *Gn.*
1. Kaslo.
2. July.

1605. exsertistigma *Morr.* Projecting Dart.
1. Victoria.
2. July.
3. *Trifolium* spp. Clovers.
form observabilis *Grt.*
1. Victoria.
2. July.
form facula *Grt.*
1. Southern Vancouver Island.
2. June, July, August, September, October.
form niger *Sm.*
1. Southern Vancouver Island, Lillooet.
2. June, July, August, September.
form morrisonistigma *Grt.* *binominalis* Sm. *crenulata* Sm.
1. Southern Vancouver Island, Vernon.
2. July.

1606. insularis *Grt.* Island Dart.
1. Southern Vancouver Island, Shuswap Lake.
2. May, June, July, August, September.
form confusa *Sm.*
1. Southern B.C.
2. June, July, August, September.

Pronoctua Sm. Darts.

1607. typica *Sm.*
1. Kaslo.
2. September.

1608. pyrophiloides *Harv.* Bronze Dart.
1. Southern Interior, Kootenays, Duncan.
2. July.

Ufeus Grt. Darts.

1610. electra *Sm.* Pocket Dart.
1. Southern Vancouver Island, Southern Interior.
2. October. (H.) March.

1611. satyricus *Grt.* Eastern Dart. Satyr Dart.
*1. Duncan.
2. (H.) March, April.

1612. hulsti *Sm.* Hulst's Dart.
*1. Shuswap Lake.
2. November (H.) February.

1614. plicatus *Grt.* *barometricus* Goos. Pleated Dart.
1. Brilliant, Robson, Vernon, Summerland, Oliver, Lillooet, Shawnigan District (Mill Bay).
2. August. (H.) April.

Subfamily HADENINAE.

Scotogramma Sm.

1619. nevada *B & McD.*
1. Penticton.
2. August.

1627. densa *Sm.*
1. Kaslo.
2. July, August.

1633. trifolii *Rott.* *inquicta* Wlk. *glaucovaria* Wlk. *major* Speyer. The Trefoil. Clover Cutworm.
1. Nicola Lake, Vavenby, Shuswap Lake, Kootenays.
2. July, August, September.
3. *Trifolium* spp. Clovers.

a albifusa *Wlk.*
1. Victoria, Duncan, Shawnigan District.
2. July, August.

1634. mutata *Dod.* The Changeling.
1. Kaslo.

1639. oregonica *Grt.* The Oregonian.
1. Cowichan Lake, Mount Garibaldi, Southern Interior, Kaslo.
2. May, June, July.

b columbica *McD.*
1. Keremeos.
2. July.

1643. farnhami *Grt.* Farnham's Scotogramma.
1. Southern Interior, Kootenays.
2. June.

1644. crotchi *Grt.*
1. Lillooet.
2. May.

Trichoclea Grt.

1651. edwardsi *Sm.*
* 1. Shawnigan District. (Mill Bay.)
2. July.

Admetovis Grt.

1658. oxymorus *Grt.* Red-angled Buff-tip.
1. Kootenays.
2. June.

Mamestra Ochs.

1660. configurata *Wlk. occidenta* Grt. Bertha Armyworm.
1. Lillooet, Robson, Shuswap Lake, Masset, Namu, Wellington, Shawnigan District.
2. May, June, July, August.

1661. curialis *Sm.* The Senator.
1. Duncan, Kaslo.
2. May, June.

Polia Ochs.

1662. discalis *Grt.* Large Grey Polia.
1. Southern B.C.
2. June, July, August.

1663. nimbosa *Gn.* Mystic Polia.
a mystica Sm. Mystic Polia.
1. Windermere, Shuswap Lake.
2. June, July.
b mysticoides *B & B.* Pale Mystic Polia.
1. Southern Vancouver Island, Lower Fraser Valley.
2. July.

1667. imbrifera *Gn.* Cloudy Polia.
1. Cranbrook, Windermere.
2. July.

1668. nugatis *Sm.* Frivolous Polia.
1. Lillooet.
2. September.

1669. purpurissata *Grt.* Pale-tinted Polia.
1. Salmon Arm, Shuswap Lake.
2. July.

a juncimacula *Sm.*

1. Rossland.
2. July.

b crydina *Dyar.* Slate-tinted Polia.

1. Southern Vancouver Island, Southern Interior, Kaslo, Brilliant, Atlin.
2. August, September.

1672. grandis *Bdv.* *libera* Wlk. Pale-banded Polia.
1. Alberni, Fraser Mills, Salmon Arm, Shuswap Lake, Kaslo, Nelson, Robson.
2. May, June, July.

1673. subjuncta *G & R.* Harnessed Polia.
1. Southern Vancouver Island, Southern Interior, Kaslo, Robson, West Creston.
2. June, July, August.
3. *Picea engelmanni.*

a eleanora *B & McD.*

1. Nicola Lake, Brilliant.
2. June.

1677. atlantica *Grt.* *discolor* Speyer. Atlanta Polia.
1. Cranbrook

1678. nevadae *Grt.* Nevada Polia.
1. Victoria, Agassiz, Lillooet, Shuswap Lake, Kaslo.
2. June, July, August.

a canadensis *Sm.*

1. Cranbrook, Brilliant, Robson.
2. June, July.

1679. radix *Wlk.* *dimmocki* Grt. *desperata* Sm. Garden Polia. Dimmock's Polia.
1. Southern Vancouver Island, Fraser Mills, Lillooet, Shuswap Lake, Kaslo, Nelson.
2. June, July.

1680. segregata *Sm.* *gussata* Sm. Mountain Polia.
1. Southern Interior, Kootenays.
2. March, April, May.

form negussa *Sm.* Brown-winged Polia.

1. Southern Interior, Brilliant, Rossland.
2. April, May.

1683. legitima *Grt.* Striped Garden caterpillar.
1. Vernon.
3. *Larix occidentalis.*

1684. tacoma *Stkr.* Tacoma Polia.
1. Southern Vancouver Island, Salmon Arm, Shuswap Lake, Kootenays.
2. May, June, July.
3. *Rubus nutkanus* Thimbleberry.

1686. dodi *Sm.*
1. Kaslo.

1687. lilacina *Harv.* Lilac Polia.
1. Haney.
2. July.
form illabefacta *Morr.*
1. Vancouver, Shawnigan District (Mill Bay).
2. June, July.

1688. liquida *Grt.* Liquid Polia.
1. Southern Vancouver Island, Kaslo.
2. May, June.

1689. meodana *Sm.*
1. Nicola Lake, Shuswap, Brilliant.
2. May, June.

1691. adjuncta *Bdv.* White-spotted Polia.
1. Southern Vancouver Island, Lower Fraser Valley, Shuswap Lake, Kaslo, Nelson.
2. June, July.
3. *Prunus emarginata.* Bitter Cherry. *Phlox* spp. Garden vars. (tall). *Alnus rubra.*

1693. assimilis *Morr.*
1. Kaslo, Shawnigan Lake.
2. July, August.
3. *Pteris aquilina,* Bracken.

1694. pulverulenta *Sm.* Powdered Polia.
1. Southern Vancouver Island, Taku River, Smithers, Enderby, Vernon, Shuswap Lake, Lillooet, Kaslo, Robson.
2. May, June, July.
Larix occidentalis, Pinus contorta latifolia.

1696. ingravis *Sm.*
1. Atlin, Clinton, Lillooet, Kaslo.
2. May, June, July.
3. *Picea engelmanni.*

1697. cristifera *Wlk. impolita* Morr. Crested Polia.
1. Southern Interior, Kaslo, Brilliant, Glacier Park, Flat Creek, Duncan.
2. May, June, July.
3. *Picea engelmanni.*

1698. invalida *Sm.*
1. Kaslo.
2. July, August.

1699. lutra *Gn.* *lubens* Grt. *rufula* Morr. Darling Polia. Quadrate Polia.
1. Trinity Valley, Shuswap Lake, Kootenays.
2. March, April, May, June, July.
3. *Betula* sp.
a. glaucopis *Hamp.* Grey-eyed Darling Polia.
1. Southern Vancouver Island, Lower Fraser Valley.
2. May, June, July.
3. *Pinus contorta latifolia, alnus rubra.*

1702. delecta *B & McD.*
1. Lillooet.
2. June.

1706. montara *Sm.*
1. Shuswap Lake.
2. June.

1709. detracta *Wlk.* *claviplena* Grt. Dingy Polia. Disparaged Polia. Polia.
1. Salmon Arm, Shuswap Lake, Nelson, Robson.
2. May, June, July.
a neoterica *Sm.*
1. Salmon Arm, Shuswap Lake, Kaslo, Brilliant.
2. May, June, July.

1710. goodelli. *Grt.*
a acutermina *Sm.* Pointed Polia.
1. Wellington, Peachland.

1711. obscura *Sm.*
1. Brilliant.
2. June.

Lacinipolia McD.

1712. meditata *Grt.*
a columbia *Sm.* Columbian Polia.
1. Vancouver.

1714. lustralis *Grt.* *cervina* Sm. Sm. Lustrous Polia.
1. Salmon Arm, Shuswap Lake.
2. June.

1715. cuneata *Grt.* Western Polia.
1. Southern Vancouver Island, Lower Fraser Valley.
2. May, June, July.
3. *Alnus rubra, Salix* spp. (Sallows), *Ribes sanguineum, Nuttallia cerasiformis.*

1716. anguina *Grt.*
a larissa *Sm.* The Snaky Polia.
1. Salmon Arm, Shuswap Lake, Seton Lake, Kaslo, Field, Brilliant.
2. May, June, July.

1735. vicina *Grt.* *teligera* Morr. Small Grey Polia.
1. Vancouver Island, Kaslo, Shuswap Lake.
2. July, August.

a acutipennis *Grt.*

1. Central Interior, Southern Interior, Kootenays.
2. June, July.

1736. pensilis *Grt.* Pacific Polia.

1. Southern Vancouver Island, Lower Fraser Valley, Southern Interior, Kaslo, Brilliant.
2. July, August, September.
3. Larva feeds on dead leaves according to Dyar.

1738. renigera *Steph.* *herbimacula* Gn. *infecta* Wlk. Kidney-spotted Polia. Bristly Cutworm.

1. Victoria.
2. August, September.

1739. stricta *Wlk.* *ferrea* Grt. Cinnamon Polia.

1. Southern B.C.
2. July, August, September.

a cinnabarina *Grt.*

1. Southern B.C.
2. August, September.

1744. lorea *Gn.* *ligata* Wlk. *dodgei* Morr. Bridled Polia.

1. Southern Interior, Kootenays.
2. June, July.

1745. olivacea *Morr.*

a lucina *Sm.* Prairie Polia.

1. Atlin, Fort Steele, Robson, Southern Interior.
2. June, July, August.
3. Low plants.

e petita *Sm.* Narrow-banded Polia.

1. Southern Vancouver Island, Kaslo, Revelstoke.
3. *Plantago major, Plantago lanceolata.*

davena *Sm.* Red-spot Polia.

1. Vancouver Island, Merritt, Seton Lake, Kaslo.
2. June.

1746. comis *Grt.* (female) *obnigra* Sm. Black-banded Polia. Small Brown Polia (female).

1. Southern B.C.
2. May, June, July, August, September.
3. *Trifolium.* spp.

rectilinea *Sm.* Straight-lined Polia.

1. Southern Vancouver Island, Brilliant, Shuswap Lake.
2. July, August.

1751. illaudabilis *Grt.*

b restora *Sm.* Green Polia.

1. Southern Vancouver Island, Southern Interior, Kaslo, Brilliant, Robson, Bear Lake.
2. June, July, August.

1758. petalis *Grt.*

a fletcheri *Grt.* Fletcher's Polia.

1. Southern Vancouver Island, Lower Fraser Valley.
2. May, June, July.

Lasionycta Auriv. Seals.

1759. perplexa *Sm.* Doubting Seal.

1. Mount Garibaldi.
2. August.

1767. mutilata *Sm.* Maimed Seal. Wounded Seal.

1. Sandon, Glacier, Skeena River.
2. August, September.

1768. rainieri *Sm.* Rainier Seal.

1. Taku River, Mount McLean, Mount Garibaldi, Kaslo.
2. August, September.

1770. sedilis *Sm.* Colorado Seal.

1. Kaslo, Bear Lake Mountain, Sandon, Mount McLean.
2. June, July, August.

Lasiestra Hamp. Seals.

1777. leucocycla *Staud.* Columbian Seal.

d poca *B & B.*

1. Mount McLean, Mount Cheam, Mount Garibaldi.
2. August.

1780. impingens *Wlk.* *nivaria* Grt. *perpura* Morr. Dull Brown Seal.

1. Mount Field, Mount Hector.

1783. phoca *Moesch.* Lesser Seal.

1. Mount McLean.
2. August.

1784. luteola *Sm.* Luteous Seal.

1. Mount McLean, Mount Garibaldi.
2. July, August.

1786. macleani *McD.* Lillooet Seal.

1. Mount McLean.
2. July.

1787. uniformis *Sm.* Uniform Seal.

1. Mount Garibaldi, Bear Lake Mountain, Kaslo.
2. July, August.

Anarta Ochs.

1789. cordigera *Thun.* *luteola* G & R. Catocaline Anarta.

1. Cranbrook, Atlin.
2. June.

1791. melanopa *Thun.*
a laerta *Sm.* Black-mooned Anarta.
1. Southern B.C., Taku River, Atlin.
2. June, July, August.

1794. richardsoni *Curt.* *septentrionis* Wlk. *feildeni* McL Richardson's Anarta.
1. Atlin.
2. July.

Sideridis Hbn. Penman Moths.

1800. rosea *Harv.* Rosy Penman.
1. Kootenays, Vernon, Shuswap Lake.
2. March, April, May, June.

1802. maryx *Gn.* *rubefacta* Morr. *vindemialis* Grt. Ruby Penman.
1. Wellington, Shuswap Lake.
2. June.

Astrapetis Hbn.

1803. sutrina *Grt.* The Cobbler.
1. Duncan, Vavenby, Kaslo, Brilliant, Atlin.
2. May, June, July.

Miselia Ochs.

1810. variolata *Sm.*
1. Victoria.
2. July.

Anhimella. McD.

1886. contrahens *Wlk.*
a conar *Stkr.* *infidelis* Dyar. *quadristigma* Sm. Brown Stylus.
1. Southern Vancouver Island, Lillooet, Vernon, Shuswap. Lake, Bear Lake, Nelson, Robson.
2. June, July, August.
pacifica *McD.* Pacific Stylus.
1. Seton Lake, Lillooet, Summerland, Keremeos.
2. July, August.

1887. perbrunnea *Grt.* Pale Stylus.
1. Duncan, Powell River, Seton Lake.
2. July, August.

Pseudorthodes Morr.

1873. irrorata *Sm.* Mottled Stylus.
1. Southern Vancouver Island, Southern Interior.
2. June, July, August.
3. *Acer macrophyllum, Salix* spp. (Sallows), *Prunus emarginata, Amelanchier alnifolia, Alnus rubra, Ribes sanguineum, Plantago major Plantago lanceolata.*

Protorthodes McD.

1841. curtica *Sm.* Dingy Stylus.
1. Southern Interior, Kootenays.
2. August.

a bostura *Sm.*
1. Kaslo, Robson, Warfield.
2. August, September.

1849. rufula *Grt.* Ruddy Stylus.
1. Salmon Arm.
2. May.

1855. oviduca Gn. *capsella* Grt. Island Stylus.
1. Southern Vancouver Island, Shuswap Lake, Robson.
2. April, May, June.

Homorthodes McD.

1890. furfurata *Grt.* *peredia* Grt.
1. Salmon Arm.
2. July.

a uniformis *Sm.*
1. Lillooet, Shuswap Lake, Kaslo, Robson.
2. June, July, August.

1891. communis *Dyar.* *affurata* Hamp. *brunneosuffusa* Strand. Common Stylus.
1. Southern B.C.
2. June, July, August.

1892. fractura *Sm.*

a mecrona *Sm.*
1. Lillooet, Shuswap Lake.
2. June, July.

1883. discreta *B & McD.*
1. Kaslo, Lillooet.
2. June.

1884. mania *Stkr.*
1. Vernon.

1885. hanhami *B & McD.* Hanham's Stylus.
1. Saanichton, Shawnigan District, Duncan, Shuswap Lake.
2. June, July.

carneola *McD.*
1. Salmon Arm.
2. June.

Hexorthodes McD.

1870. senatoria *Sm.*
1. Kaslo.
2. August.

Nephelodes Gn.

1895. emmedonia *Cram.*
b pectinata *Sm.* Shaded Umber.
1. Southern Vancouver Island, Southern Interior, Haney.
2. June, July, August, September.

Tholera Hbn.

1899. americana *Sm.* White-lined American.
1. Lillooet, Merritt.
2. August.

Xylomyges Gn. Woodlings.

Xylomania Hamp.

1905. variabilis *Sm.* Variable Woodling.
1. Kaslo.
2. April.

1906. hiemalis *Grt.* *californica* Stkr. Wintry Woodling.
1. Southern B.C.
2. February, March, April.
3. *Salix* spp. (Sallows), *Alnus rubra, Quercus garryana, Ribes sanguineum, Spiraea discolor, Prunus emarginata, Amelanchier alnifolia.*

1907. simplex *Wlk.* pallidior *Sm.* Simple Woodling.
1. Southern B.C.
2. April, May.

1909. crucialis *Harv.* Grey Woodling.
1. Southern B.C.
2. February, March, April, May.
3. *Quercus garryana.*

1910. cognata *Sm.* Oregon Woodling.
1. Southern Vancouver Island, Lower Fraser Valley.
2. February, March, April.

1912. curialis *Grt.*
a indurata *Sm.* Hardened Woodling.
1. Lillooet.

1913. candida *Sm.* Common Woodling.
1. Southern Vancouver Island, Lower Fraser Valley, Salmon Arm, Shuswap Lake, Okanagan Falls.
2. March, April, May.

1914. dolosa Grt. Grieving Woodling.
1. Southern Interior, Kootenays.
2. September (H), April, May.

1915. rubrica *Harv.* Ruddy Woodling.
1. Southern B.C.
2. April, May.
c pulchella *Sm.* Beautiful Woodling.

1916. perlubens *Grt.* *subapicalis* Sm. Brown Woodling.
1. Southern B.C.
2. April, May, June.

Stretchia Hy. Edw.

1918. muricina *Grt.* Brown Spectacles.
1. Southern Vancouver Island, Lower Fraser Valley.
2. March, April.

1920. plusiaeformis *Hy Edw.* Grey Spectacles.
1. Rossland, Kaslo, Brilliant, Shuswap Lake
2. April, May.
3. *Ribes* spp. Gooseberry.

Acerra Grt. Penman Moths.

1923. normalis *Grt.* Eyed Penman.
1. Southern Vancouver Island, Lower Fraser Valley, Salmon Arm, Shuswap Lake, Okanagan Falls, Brilliant, Nelson, Robson.
2. March, April, May.
3. *Salix* spp. (Sallows), *Alnus rubra, Acer macrophyllum, Spiraea discolor, Amelanchier alnifolia, Prunus emarginata, Ribes sanguineum.*

Orthosia Ochs. Penman Moths.

1925. pulchella *Harv.*
a achsha *Dyar.* Hoary Penman.
1. Southern Interior, Kootenays, Duncan.
2. April, May, June.
form algula *Sm.* Purple Penman.
1. Southern Interior, Kootenays, Shawnigan District.
2. April, May.

1926. transparens *Grt.* *hamifera* Grt. *fringata* Sm. Brown Penman.
1. Southern Vancouver Island, Lower Fraser Valley.
2. March, April.

1927. praeses *Grt.* Common Penman.
1. Southern Vancouver Island, Lower Fraser Valley.
2. February, March, April.
3. *Alnus rubra, Salix* spp. (Sallows). *Spiraea discolor, Nuttallia cerasiformis, Ribes sanguineum, Prunus emarginata, Rosa spp.*
form saleppa *Sm.*
1. Southern Vancouver Island.
2. As above.
3. As above.
form stigmata *B & B.*
1. Southern Vancouver Island.
2. As above.
3. As above.

1928. mys *Dyar.* Scarce Penman.
1. Saanichton, Shawnigan District, Wellington.
2. October.

a caloramica *B & McD.* *agravens* B & McD.
1. Duncan.

1929. ferrigera *Sm.* *strigatteria* Hill. Rusty Penman.
1. Southern Vancouver Island, Lower Fraser Valley.
2. March, April.

1940. revicta *Morr.* *subterminata* Sm. Beautiful Penman.
1. Southern B.C.
2. April, May, June, July.
3. *Picea engelmanni.*

1942. pacifica *Harv.* Western Penman.
1. Victoria, Shawnigan District, Duncan, Shuswap Lake, Okanagan Falls.
2. March, April, May.
3. *Quercus garryana* Garry Oak, *Salix* spp. (Sallows).

1943. hibisci *Gn.* Variable Penman.
c quinquefasciata *Sm.* *latirena* Dod. *proba* Sm. *inherita* Sm. *inflava* Sm.
1. Southern B.C.
2. February, March, April, May.
3. *Alnus rubra, Salix* spp. (Sallows), *Pyrus* spp., *Ribes sanguineum.* Red Flowering Currant. *Spiraea discolor. Prunus emarginata, Amelanchier alnifolia.*

Dargida Wlk.

1952. procincta *Grt.* The Girdler.
1. Southern B.C., Tofino.
2. May, June, July, August, September, October.
3. Grasses, *Trifolium pratense, Trifolium repens, Vicia* spp.

Zosteropoda Grt.

1955. hirtipes Grt. Angled Straw.
1. Southern B.C.
2. June, July, August.

Protoleucania McD. Wainscots.

(*Pseudoleucania* McD.)

1962. albilinea *Hbn.*
a diffusa *Wlk.* Cloudy Wainscot. Wheathhead Armyworm. (Larva).
1. Kaslo.
3. Wheat, especially maturing heads.

Leucania Ochs. Wainscots.

1977. commoides *Gn.* Comma Wainscot.
1. Fraser Mills, Enderby, Penticton, Shuswap Lake, Kaslo.
2. June, July.

1982. multilinea *Wlk.* *solita* Wlk. *lapidaria* Grt.
1. Lillooet.
2. July.

1984. farcta *Grt.*
a roseola *Sm.* Rosy Wainscot.
1. Southern B.C.
2. June, July, August.
3. Grasses.
b anteroclara *Sm.*
1. Kaslo, Lillooet.
2. July.
form calgariana *Sm.* Calgary Wainscot.
1. Cowichan Bay, Kaslo.
2. July, August.

1992. insueta *Gn.*
a heterodaxa *Sm.* Heterodox Wainscot.
1. Southern B.C., Atlin.
2. May, June, July.
3. Grasses.
b dia *Grt.*
1. Nicola Lake.
2. June.

1994. unipuncta *Haw.* *extranea* Gn. The Army Worm.
1. Southern Vancouver Island, Lower Fraser Valley, Kaslo.
2. July, August, September, October, November.
3. Grasses and cereals.

1995. luteopallens *Sm.* Lesser Wainscott.
a minorata *Sm.*
1. Southern B.C.
2. June, July, August, September.

Subfamily CUCULLIINAE.

Copicucullia Sm.

2201. antipoda *Stkr.* *propinqua* Sm.
1. Penticton.

2203. eulepis *Grt.* *bistriga* Sm. *mala* Sm.
1. Lillooet.
2. June.

Rancora. Sm. Falconers.

2010. strigata *Sm.* Streaky Falconer.
1. Victoria, Shawnigan District, Duncan, Okanagan Falls.
2. April, May.

2013. solidaginis *Stkr.* Western Falconers.
1. Penticton, Okanagan Falls, Osoyoos.
2. May.

Pleroma Sm. Rovers.

2025. conserta *Grt.* *apposita* Sm. White-edged Rover.
1. Southern Vancouver Island, Robson.
2. March, April.

2026. obliquata *Sm.* Oblique Rover.
1. Southern Vancouver Island, Salmon Arm, Shuswap Lake, Kaslo, Brilliant.
2. March, April.

2027. bonuscula *Sm.*
1. Shuswap Lake, Robson.
2. March, April, May.

2029. cinerea *Sm.* Grey Rover.
1. Southern Interior, Kootenays, Wellington, Duncan, (Quamichan Lake), Shawnigan District.
2. September, October.

Cucullia. Shrank. Falconers.

2039. similaris *Sm.* Dotted Falconer.
1. Kamloops.
2. August.

2041. florea *Gn.* *indicta* Sm. Grey Falconer.
1. Fraser Mills, Chilliwack, Salmon Arm, Rossland.
2. June.

a obscurior *Sm.* Dull Falconer.
1. Lillooet, Penticton, Shuswap Lake, Kaslo, Brilliant, Robson.
2. August, September.

2042. postera *Gn.*
1. Shuswap Lake, Windermere, Kaslo, Nelson.
2. June, July, August.

2043. omissa Dod. Alberta Falconer.
1. Southern Interior, Kootenays, Alexis Creek, Victoria, Shawnigan District (Mill Bay).
2. June, July, August.
3. *Grindelia lanata.*

Oncocnemis. Led. The Beauties.

2067. hayesi *Grt.* Mountain Beauty.
1. Mount McLean, Kaslo.

2071. albifasciata *Hamp.* *fasciata*Sm. White-banded Beauty.
1. Alexis Creek, Fort Steele.
2. August.

2073. pudorata *Sm.* Bashful Beauty.
1. Hope Mountains, Mount Garibaldi, Shuswap Lake.
2. August.

2075. parvanigra *Blkmre.* Small Dark Beauty.
1. Mount McLean, Kaslo.
2. June, July, August.

2077. glennyi *Grt.* Glenny's Beauty.
* 1. Vernon.

2078. phairi *McD.* Phair's Beauty.
1. Lillooet.
2. August.

2087. levis *Grt.* Smooth Beauty.
1. Fort Steele.
2. September.

2095. occata *Grt.*
1. Summerland, Oliver, Osoyoos.

2098. homogena *Grt.* Colorado Beauty.
1. Hope Mountains.

2106. chorda Grt.
a extremis *Sm.* Marbled Beauty.
1. Lillooet, Brilliant.
2. July.

2109. youngi *McD.* Western Beauty.
1. Lillooet, Departure Bay, Shawnigan District (Mill Bay).
2. July, August.

2111. columbia *McD.* Columbia Beauty.
1. Goldstream, Salmon Arm, Shuswap Lake.
2. August.

2114. barnesi *Sm.* Twin-lined Beauty.
1. Lillooet, Rossland, Kaslo, Trail.
2. June, July, August.

2115. umbrifascia *Sm.* Brown-lined Beauty.
1. Lillooet, Nicola Lake, Fort Steele.
2. June, July.

2116. piffardi *Wlk. atrifasciata* Morr. Black-banded Beauty.
1. Mount McLean, Lytton, Salmon Arm, Shuswap Lake.
2. August, September, October.

2117. cibalis *Grt.* Delicate Beauty.
1. Lillooet, Lytton, Williams Lake.
2. September.

2122. figurata *Harv.* Figured Beauty.
1. Lillooet, Vernon, Brilliant.
2. June.

2132. major *Grt.* Greater Beauty.
1. Lillooet, Shuswap Lake.
2. June, July.

2133. chandleri *Grt.* *poliochroa* Hamp. Grey Beauty.
1. Southern Interior, Alexis Creek, Kootenays.
2. August, September.

2144. dunbari *Harv.* *definita* B & McD. Island Beauty.
1. Shawnigan District, Duncan, Wellington, Port Alberni.
2. August, September, October.

Homohadena Grt.

2154. fifia *Dyar.* Black-lined Beauty.
1. Southern Interior, Kaslo, Brilliant.
2. June, July.

Apharetra Grt.

2157. pyralis *Sm.* Smith's Apharetra.
1. Fraser Mills.
2. August.

Sympistis Hbn. Arctic Moths.

2159. lapponica *Thun.* *tenebricosa* Moesch. Shadowy Arctic.
1. Kokanee Mountain, Kicking Horse Pass.
2. August.

2160. wilsoni *B & B.* Columbian Arctic.
1. Cowichan Lake Mountains, Forbidden Plateau District (Mount Becher trail at about 3500 ft.) Mount McLean, Kaslo.
2. July.

2161. zetterstedti Staud.
a labradoris *Staud.* Labrador Arctic.
1. Mount McLean, Big Bar Mountain, Kokanee Mountain, Lake O'Hara.
2. July, August.

2163. funesta *Payk.*
a cocklei *Dyar.* Kootenay Arctic.
1. Kaslo, Ainsworth.
2. August.

Pseudanarta Grt.

2164. flava *Grt.* *dupla* Sm. Black-bordered Orange-Wing.
1. Southern Interior.
2. September.

2165. crocea *Hy Edw.* The Yellow Orange-wing.
1. Lillooet.
2. August, September.

Pseudobryomima B & B.

2175. muscosa *Hamp.*
1. Kaslo.
2. August.

Trichocerapoda Benj.

2181. oblita *Grt.* *deserta* Grin. *arrosta* Dyar. *insertans* Sm. Streaked Beauty.
1. Duncan, Lillooet, Spences Bridge.

Feralia Grt. Merveille-du-jour Moths.

Momaphana Grt.

2183. joccosa Gn. The Joker.
1. Barriere, Peachland, Canal Flats, Cowichan, Cottonwood, Hazelton, Penticton, Squamish, Aleza Lake, Vernon, Trinity Valley, Blueberry, Argenta, Lindup.
2. April, May.
3. *Picea engelmanni, Pinus contorta latifolia, Pseudotsuga taxifolia. Tsuga heterophylla, Abies lasiocarpa.* Alpine Fir.

2184. deceptiva *McD.* Deceptive Merveille-du-jour.
1. Southern Vancouver Island, Lower Fraser Valley, Kaslo, Brilliant.
2. March, April.

2186. comstocki *Grt.*
a columbiana *Sm.* Columbian Merveille-du-jour.
1. Southern Vancouver Island, Lower Fraser Valley, Kootenays, Salmon Arm, Shuswap Lake.
2. April, May.

Epidemas Sm. Peasant Moths.

2201. melanographa *Hamp.* Variegated Peasant.
1. Southern Vancouver Island, Penticton.
2. September.

Bombycia Steph. Peasant Moths.

2202. curvifascia *Sm.* Narrow-banded Peasant.
1. Saanichton, Fraser Mills.
2. August.

2205. rectifascia *Sm.* Narrow-banded Peasant.
1. Southern Interior, Kaslo, Brilliant, Duncan, Shawnigan District (Mill Bay).
2. July, August.

Brachylomia Hamp. Peasant Moths.

2210. populi *Stkr.* Cloaked Peasant.
1. Kootenays, Seton Lake.
2. August, September.

Hillia Grt. Rovers.

2212. maida *Dyar.* Plain Rover.
1. Glacier, Kaslo, Salmon Arm, Shuswap Lake.
2. July, August, September.

Litholomia Grt. Peasant Moths.

2215. napaea *Morr.* Dark-gray Peasant.
1. Taku River, Southern Interior, Kaslo, Nelson, Robson, Shawnigan District.
2. March, April, May, June, November.

a umbrifasciata *Blkmre.* Brown-banded Peasant.
1. Southern Vancouver Island, Lower Fraser Valley.
2. March, April, May, June, July, September.
3. *Salix* spp. (Sallows), *Amelanchier alnifolia*

Lithomoia Hbn. Peasant Moths.

2216. solidaginis *Hbn.* American Peasant.
a germana *Morr.* Golden-rod Brindle.
1. Southern Vancouver Island, Cloverdale, Salmon Arm, Shuswap Lake, Kaslo, Brilliant.
2. August, September, October.
3. *Vaccinium* spp. Blueberry, etc. *Arctostaphylos uva-ursi. Salix* spp. (Sallow), *Betula* spp. *Crataegus* spp.

Graptolitha Hbn. Pinions.

2219. patefacta *Wlk.* Open Pinion.
1. Southern B.C.
2. September, October, (H.) March April.
3. *Amelanchier alnifolia* Nutt., June-berry.

2221. innominata *Sm. signosa* Grt. Nameless Pinion.
1. Shuswap Lake, Nelson, Robson.
2. September (H.) March.

2222. petulca *Grt.* Wanton Pinion.
1. Southern B.C., Hazelton, Cedarvale.
2. August, September, October, (H.) March, April.
3. *Pinus contorta latifolia. Abies* spp.

2223. ferrealis *Grt.* Iron Pinon.
1. Southern Vancouver Island, Salmon Arm, Shuswap Lake, Kaslo.
2. September, (H.) March, April, May.

2224. amanda *Sm.* Distant Pinion.
1. Southern Vancouver Island, Cloverdale, Vavenby, Riske Creek.
2. September, (H.) April.
3. *Tsuga heterophylla.*

2233. contenta *Grt. pomona* Sm. Contented Pinion.
1. Southern Vancouver Island.
2. September, (H.) March, April.
3. *Quercus garryana.* May be fed on English Oak. Suspected of being a cannibal.

2235. vivida *Dyar.* Vivid Pinion.
1. Duncan, Shawnigan District, Kaslo, Salmon Arm, Shuswap Lake.
2. August, September, October, (H.) February, March, April.

2241. tepida *Grt.* Dowdy Pinion.
a atincta *Sm.*
1. Vavenby, Salmon Arm, Shuswap Lake.
2. September, October.

2243. torrida *Sm.* Burnt Pinion.
1. Wellington, Duncan, Shawnigan District, Victoria, West Vancouver, D'Arcy.
2. September, (H.) February, March, April, May.
3. *Pyrus* spp. Apple (including the young fruit).
pertorrida *McD.*
1. Wellington, Duncan, Salmon Arm, (H.) March, April.
3. *Pyrus* spp. Apple.

2244. georgii *Grt.* Large Grey Pinion.
1. Shuswap Lake, Brilliant, Robson.
2. September, (H.) March, April.
b holocinerea *Sm.*
1. Southern Vancouver Island, Shuswap Lake, Okanagan Falls, Kaslo.
2. August, September, October, (H.) February, March, April, May.
3. *Salix* spp. (Sallows), *Pyrus* spp. Apple.
c ancilla *Sm.*
1. Wellington.
d vertina *Sm.*
1. Southern Interior, Likely.

2248. fagina *Morr.* Beech Pinon.
1. Southern Interior, Kootenays.
2. October, (H.) March, April.

2252. pexata *Grt.*
a washington *Grt.* Pacific Pinion.
1. Port Alberni, Wellington, Duncan, Shawnigan District.
2. Fall and after hibernation in March, April, May.

2253. dilatocula *Sm.* Two-spotted Pinion.
1. Victoria, Shawnigan District, Wellington, Alberni, West Vancouver, Salmon Arm, Shuswap Lake.
2. October, (H.) February, March, April, May.

2258. thaxteri *Grt.* Thaxter's Pinion.
1. Southern Vancouver Island, Lower Fraser Valley, Trinity Valley.
2. September, (H.) May.
3. *Pseudotsuga taxifolia.*

Xylena Ochs. Swordgrass Moths.

2259. nupera *Lint.* American Swordgrass.
1. Southern Vancouver Island, Lower Fraser Valley.
2. August, September, (H.) March, April.
3. *Salix* spp. (Sallows), *Alnus rubra, Acer macrophyllum, Prunus emarginata, Amelanchier alnifolia, Ribes sanguineum, Rosa* spp. Wild Rose, *Spiraea discolor.* The larvae are suspected of being cannibals.

2260. curvimacula *Morr.* Dot and Dash Swordgrass.
1. Southern B.C.
2. September, (H.) February, March, April.
3. *Picea* spp. *Rubus spectabilis.*

2261. brucei *Sm.* Bruce's Swordgrass.
1. Duncan, Shawnigan District, Port Alberni, Brilliant.
2. October, (H.) March, April.

2262. thoracica *Put.-Cram.* Grey Swordgrass.
brillians Ottol.
1. Southern Interio, Rossland.
2. September, October.

2263. cineritia *Grt.*
a mertena *Sm.* Western Swordgrass.
1. Southern B.C.
2. August, September, October, (H.) March, April, May.
3. *Salix* spp. (Sallows), *Alnus rubra, Prunus emarginata, Spiraea discolor, Amelanchier alnifolia, Rosa* spp. Wild Rose.

Behrensia Grt.

2264. conchiformis Grt. Twin-spotted Rover.

Behrensia Grt. Rovers.

1. Southern Vancouver Island, Brilliant, Robson.
2. April, May.

Xylotype Hamp. Rovers.

2265. capax *G & R.*
1. Kaslo.
2. September.

2266. acadia *B & B.*
arcadia B & B. (laps. cal.) Maritime Rover.
1. Salmon Arm, Shuswap Lake, Kaslo.
2. August, September.

Platypolia Grt. Rovers.

2268. anceps *Steph. acutissima* Grt.
1. Brilliant.
2. October.
form aplectoides *Gn. confragosa* Morr. *medialis* Grt. Rugged Rover.
1. Salmon Arm, Shuswap Lake, Kaslo.
2. September.

2269. contadina *Sm.* Variegated Rover.
1. Southern Vancouver Island, Southern Interior, Taku River, Kaslo
2. September, October, November, December.
3. *Antirrhinum,* Garden vars.

2270. loda *Stkr. albiserrata* Sm. Dusky Rover.
1. Southern B.C.
2. August, September, October.

Mniotype Francl. Rovers.

2273. versuta *Sm. moilena* Stkr. Alberta Rover.
1. Taku River, Salmon Arm, Shuswap Lake, Kaslo, Fraser Mills, Alberni.
2. July, August, September.

2276. miniota *Sm.*
1. Kaslo, Lillooet, Shuswap Lake.
2. May, June, July.

Fishia Grt.

2278. evelina *French.*
a hanhami *Sm.*
1. Southern Vancouver Island, Vavenby, Shuswap Lake, Rossland, Kaslo, Robson.
2. August, September, October.

2281. yosemitae *Grt. exhilarata* Sm.
1. Southern Interior, Kaslo, Duncan.
2. October.

Anytus Grt.

2288. profunda *Sm.*
1. Southern Interior, Sandon, Revelstoke, Kaslo, Robson.
2. August, September.

Eupsilia Hbn. Sallows.

Scopelosoma Curt.

2303. tristigmata *Grt.* Branded Sallow.
1. Southern B.C.
2. August, September, October, (H.) February, March, April, May.
3. *Salix* spp. (Sallows), *Ribes sanguineum, Spiraea discolor, Prunus emarginata, Amelanchier alnifolia, Rubus spectabilis.*

2306. devia *Grt.* Many-lined Sallow.
1. Southern Vancouver Island, Vavenby, Kaslo.
2. April.

2307. fringata *B & McD.* Fringed Sallow.
1. Salmon Arm, Shuswap Lake.
2. September, October.

Parastichtis Hbn.

Taeniosea Grt.

2309. discivaria *Wlk. perbellis* Grt. Mottled Quaker.
1. Central Interior, Southern Interior, Kootenays, Colwood.
2. July, August.

Lycanades Franc. Sallows.

2310. purpurea *Grt. fornica* Sm. Small Sallow.
1. Salmon Arm, Shuswap Lake, Kaslo.
2. August, September, October.
3. *Plantago* spp. Plantains according to Dyar.
a antapica *Sm.* Variable Sallow.
1. Southern B.C.
2. September, October.
3. *Rosa* spp. Wild Rose, *Ribes sanguineum, Alnus rubra, Nuttallia cerasiformis, Prunus emarginata, Amelanchier alnifolia.*

2311. pulchella *Sm.* Purple Sallow.
1. Southern Vancouver Island.
2. August, September, October.
3. *Rubus nutkanus, Rosa* spp. Wild Rose, *Alnus rubra, Salix* spp. (Sallows), *Ribes sanguineum, Prunus emarginata, Nuttallia cerasiformis, Amelanchier alnifolia.*

Rusina Steph. Sallows.

2312. bicolorago *Gn. spurcata* Wlk.
form ferrugineoides *Gn.*
1. Kaslo.
2. August, September.

2313. verberata *Sm.* Western Sallow.
1. Southern B.C.
2. July, August, September.

2315. decipiens *Grt. acta* Sm. Rosy-lined Sallow. Beach Sallow.
1. South Vancouver Island, Lillooet, Kaslo, Salmon Arm, Shuswap Lake, Brilliant, Robson.
2. August, September, October, November.

Xanthia Ochs. Sallows.

2316. lutea *Strom. flavago* Fabr. Barred Sallow.
1. Southern Vancouver Island, Vancouver, Port Haney, Southern Interior, Quesnel, Kaslo, Nelson, Robson, Warfield.
2. August, September.
3. When young on catkins of *Salix* spp. (Sallows), later on *Rubus* spp. Bramble, and *Plantago* spp.

Anathix Franc. Sallows.

2318. puta *G. & R.*
a dusca *Sm.* Dusky Sallow.
1. Southern Interior, Kaslo, Nelson, Revelstoke, Taku River, Goldstream.
2. August.

Eucirrhoedia Grt. Sallows..

2321. pampina *Gn.* Spotted Sallow.
1. Central Interior, Southern Interior, Kootenays.
2. August, September.

Homoglaea Morr. Sallow.s

2322. carbonaria *Harv.* Smudged Sallow.
1. Southern Interior, Kootenays.
2. Fall and after hibernation in March, April.

2323. dives *Sm.* Dark-brown Sallow.
1. Southern Vancouver Island, Southern Interior, Brilliant, Warfield.
2. September, October, November, (H.) January, February, March, April.
3. *Salix* spp. (Sallows).

2324. hircina *Morr.* Goat Sallow.
1. Vavenby.
2. March.

2325. californica *Sm.* *insinuata* Sm. Californian Sallow.
1. Goldstream.

Subfamily AMPHIPYRINAE

Septis Hbn. Quakers.

2335. lignicolora *Gn.* Wood-coloured Quaker.
1. Kootenays.
2. July.
b atriclava *B & McD.*
1. Southern Vancouver Island.
2. June, July.

2336. antennata *Sm.*
a purpurissata *B & McD.* *washingtonensis* Strand. Purple-washed Quaker.
1. Southern Vancouver Island, Seton Lake, Shuswap Lake.
2. June, July, August.

*2339. maxima *Dyar.*
1. Victoria.

2342. auranticolor *Grt.*
1. Shuswap Lake.
2. June.
b sora *Sm.* Brown-banded Quaker.
1. Southern Interior, Kaslo, Nelson, Warfield, Alexis Creek.
2. June, July, August.

2344. vultuosa *Grt.* Narrow-bordered Quaker. Airy Quaker.
1. Southern Vancouver Island, Salmon Arm, Shuswap Lake, Kaslo.
2. May, June, July, August.

2345. multicolor *Dyar.* Variegated Quaker.
1. Southern Vancouver Island.
2. May.

2347. plutonia *Grt.* Dusky Quaker.
1. Southern Vancouver Island.
2. May, June, July.

2351. arctica *Frr.* *amputatrix* Fitch. *amica* Harr. *pluviosa* Wlk. Northern Quaker.
1. Southern B.C.
2. June, July, August.

2352. castanea *Grt.* *cymosa* Grt. Chestnut Quaker.
1. Southern B.C.
2. June, July, August, September.

2353. alia *Gn.*
form *rorulenta* Sm. Dewy Quaker.
1. Southern B.C.
2. June.

a montana *Sm.*

2355. inordinata *Morr.* Montana Quaker.
1. Alexis Creek, Nicola Lake, Vernon.
2. May, June.

2356. centralis *Sm.*
1. Brilliant.
2. July.

2358. spaldingi *Sm.* *umbrifacta* Hamp. Spalding's Quaker.
1. Lillooet.
2. June.

2359. cinefacta *Grt.* Grey Quaker.
1. Southern Vancouver Island.
2. April, May, June.

2361. commoda *Wlk.* *satina* Stkr. Southern Quaker.
1. Merritt.
2, August.

2362. impulsa *Gn.* Black Quaker.
1. Southern B.C.
2. July, August.

2364. indocilis *Wlk.* Broken-banded Quaker.
1. Kootenays, Fraser Mills, Port Haney, Alberni, Duncan, Shawnigan District.
2. July.

form separans *Grt.* *lona* Stkr. Eastern Quaker.
1. Cowichan Bay, Fraser Mills, Windermere.
2. July.

a runata *Sm.* *ferens* Sm.
1. Shawnigan District, (Mill Bay).
2. June.

2365. finitima *Gn.*

a cerivana *Sm.* Pale-banded Quaker.
1. Southern B.C.
2. May, June, July.

Agroperina Hamp. Quakers.

2366. lateritia *Hufn.* Red-winged Quaker.
1. Central Interior, Southern B.C.
2. June, July, August.
3. Grasses.

2368. dubitans *Wlk.*

a cogitata *Sm.* Ruby Quaker.
1. Southern B.C.
2. June, July, August.

2369. morna *Stkr.* *hulstii* Grt.
1. Atlin, Vavenby, Cowichan Bay.
2. July.

2372. indela *Sm.*
a lineosa *Sm.* *palliderufa* Strand. Lined Quaker.
1. Central Interior, Southern Interior, Kootenays.
2. August.
form pendina *Sm.* *nada* Strand. *saturatior* Strand.
1. Central Interior, Southern Interior.
2. August.

2373. lutosa *Andr.* Muddy Quaker.
1. Penticton.
2. August.

Crymodes Gn.

2375. devastator *Brace.* *abjecta* Gn.
ordinaria Wlk. *contenta* Wlk. Destructive Quaker. Glassy Cutworm.
1. Atlin, Central Interior, Southern B.C.
2. July, August.
form speciosa *Morr.*
1. Riske Creek.

2376. maillardi *Gey.* Arctic Quaker.
1. Taku River.
2. August.

2378. longula *Grt.* Mountain Quaker.
1. Southern Interior, Kootenays.
2. July, August, September.

Protagrotis Hamp.

2385. obscura *B & McD.* Obscure Quaker.
1. Nicola Lake.
2. July.

Luperina Bdv.

2393. passer *Gn.* *incallida* Wlk. *loculata* Morr.
1. Southern Vancouver Island, Vavenby, Rosedale, Kaslo, Robson.
2. August.

Aseptis McD. Quakers.

2398. perfumosa *Hamp.* Scented Quaker.
1. Lillooet.
2. June.

2400. binotata *Wlk.* *extersa* Wlk. *rubiginosa* Wlk. Red-spot Quaker.
1. Southern B.C.
2. June, July, August.
a curvata *Grt.*
1. Kaslo, Shawnigan District.
2. June, July, August.
3. *Ribes sanguineum.*

2401. adnixa *Grt.* Twin-spot Quaker.
1. Southern Vancouver Island, Southern Interior, Robson.
2. June, July.

2411. characta *Grt.*
1. Lillooet.
2. June.

Obligia Hbn.

2413. indirecta *Grt.* Common Quaker.
1. Southern B.C.
2. June, July, August.

2417. tonsa *Grt.* Short-cloaked Quaker.
1. Kaslo, Lillooet, Chilcotin.
2. July, August, September.
a subjuncta *Sm.*
1. Riske Creek, Penticton.
2. July, August.
b laevigata *Sm.*
1. Saanichton, Nicola Lake.
2. July.

2418. violacea *Grt.*
b columbia *McD.* Violet Quaker.
1. Lllooet, Penticton, Southern Vancouver Island.
2. July.

2423. illocata *Wlk. Stigmata* Grt. Wandering Quaker.
1. Southern Vancouver Island, Port Haney, Armstrong, Brilliant, Nelson, Robson, Shuswap Lake.
2. June, July, August, September.

2424. mactata *Gn.*
a allecto *Sm.* Prairie Quaker.
1. Southern Interior, Kootenays.
2. July, August, September.

2557. divesta *Grt.* Scalloped Quaker.
1. Southern B.C.
2. July, August, September.
a laticlava *Sm.*
1. Seton Lake, Brilliant, Robson.
2. July, August.

Eremobina McD. Quakers.

2429. hanhami *B & B.* Columbian Quaker.
1. Southern Vancouver Island, Fraser Mills, Salmon Arm.
2. August, September.

2430. claudens *Wlk. leucoscelis* Grt. *fibulata* Morr.
a albertina *Hamp.* Alberta Quaker.
1. Victoria, Goldstream, Duncan, Alberni, Shuswap Lake.
2. May, June, August, September.

Benjaminiola Strand.

Buchholzia B & B.

Eubuchholzia B & B

2435. colorada *Sm. cirphidia* Hamp. *leucanidia* Hamp.
1. Lillooet, Vernon.
2. August.

Hypocoena Hamp.

2448. inquinata *Gn. orientalis* Grt. Sordid Wainscot.
1. Kaslo.

2450. variana *Morr.* Brown Wainscot.
1. Merritt.
2. August.

Ipimorpha Hbn.

2453. pleonectusa *Grt. aequilinea* Sm. Even-lined Sallow.
1. Victoria, Merritt, Shuswap Lake, Kaslo.
2. July, August.
3. *Populus tremuloides.*

2454. nanaimo *Barnes.* Island Sallow.
1. Victoria, Shawnigan District, Lillooet.
2. July, August.

Helotropha Led.

2457. reniformis *Grt.* Kidney-spotted Rustic.
1. Southern B.C.
2. August, September.
form atra *Grt.*
1. Southern Vancouver Island, Fraser Mills, Penticton.
2. September.

Apamea Ochs.

2460. interoceanica *Sm.* American Ear Moth.
1. Cowichan Bay.
2. July.
3. Roots of grasses.

Hydroecia Gn.

2467. pallescens *Sm.* Pallid Rustic.
1. Southern Vancouver Island, Armstrong, Kaslo, Robson.
2. August, September, October.

2472. columbia *B & B.* Island Rustic.
1. Duncan, Sluggett.
2. September.

2475. perobliqua *Hamp.* Oblique Rustic.
1. Nicola Lake.
2. August.

Papaipema Sm.

2497. insulidens *Bird.* Island Stem-borer.
1. Duncan, Alberni, Fraser Mills.
2. August, September.
3. *Senecio hydrophyllus.*

Euplexia Steph.

2533. benesimilis *McD.* American Small Angle Shades.
1. Southern B.C.
2. May, June, July.
3. *Pteris aquilina.*

Phologophora Tr.

2536. periculosa *Gn.* Great Angle Shades.
1. Southern B.C.
2. July, August.
3. *Urtica* spp. Stinging Nettle.

form v-brunneum *Grt.*
1. Southern B.C.
2. July, August.
3. *Abies grandis.*

Achytonix McD.

2558. epipaschia *Grt. praeacuta* Sm.
1. Shuswap Lake, Trinity Valley.
2. July, August.
3. *Pseudotsuga taxifolia.*

b orae *B & B.* Cable Rustic.
1. Southern Vancouver Island, Fraser Mills, Vavenby, Kaslo.
2. August, September.

Cerma Hbn.

2565. cuerva *Barnes.* Victoria Twin-spot.
1. Victoria.
2. August.

Amphipyra Ochs.

2584. pyramidoides *Gn.* Copper Hind-wing. American Copper Underwing.
1. Southern Vancouver Island, Southern Interior, Nelson, Robson, West Vancouver.
2. July, August, September, October.
3. Rhododendron, (garden vars.), and a variety of shrubs and herbaceous plants.

2585. tragopoginis *L. repressus* Grt. The Mouse.
1. Southern Vancouver Island, Lower Fraser Valley, Central Interior, Shuswap Lake.
2. July, August, September.
3. *Tragopogon* spp. Goat's Beard, *Rumex* spp. Dock, *Rosa* spp. Wild Rose, *Prunus* spp. Plums (garden vars.), Apricot.

2586. glabella *Morr.*
1. Qualicum Beach.
2. August.
3. *Pseudotsuga taxifolia.*

Andropolia Grt.

2596. contacta *Wlk. aspera* Morr. *diffusilis* Harv. Canadian Giant.
1. Southern Interior, Riske Creek, Kaslo.
2. August.

a pulverulenta *Sm.* Powdered Giant.
1. Fort Fraser.

2602. aedon *Grt.* Pale Grey Giant.
1. Southern Interior, Kaslo, Brilliant, Robson, Duncan, Shawnigan District (Mill Bay).
2. June, July, August, September.

2603. theodori *Grt.*

b vancouvera *Strand.* Tinted Giant.
1. Southern Interior, Kootenays, Victoria, Shawnigan District (Mill Bay).
2. July, August, September.

Hyppa Dup.

2607. xylinoides *Gn. contraria* Wlk. *ancocisconensis* Morr. Common Hyppa.
1. Southern B.C.
2. May, June, July, August.
3. *Salix* spp. (Sallows), *Alnus rubra, Prunus emarginata, Rosa* spp. Wild Rose, *Ribes sanguineum, Amelanchier alnifolia, Lonicera* spp., *Plantago* spp., *Taraxacum officinale, Trifolium pratense, Vicia* spp.

2608. brunneicrista *Sm.* Brown-crested Hyppa.
1. Kaslo, Atlin.
2. June, July, August.

2609. indistincta *Sm.* Confused Hyppa.
1. Southern Interior, Kootenays.
2. July.

Platysenta Grt.

2616. discistriga *Sm.*
1. Lillooet.

Neperigea McD.

2640. niveirena *Harv. pohono* Sm. Columbia Rustic.
1. Southern Vancouver Island, Rossland, Brilliant.
2. July.

2641. albimacula *B & McD.* White-marked Rustic.
1. Lillooet, Kaslo, Brilliant.
2. June, July.

Elaphria Hbn. Midgets.

Monodes Gn.

2647. festivioides *Gn. cephalica* Butl. Festive Midget.
1. Southern Interior, Kaslo, Robson, Wellington.
2. May, June, July.

2650. grata *Hbn. rasilis* Morr. *subusta* Druce. *orina* Gn. Small-lined Midget. Grateful Midget.
1. Agassiz.

georgei *Moore & Raw.* Dark Banded Midget.
1. Shawnigan District (Mill Bay).
2. August.

Platyperigea Sm. Rustics.

2655. multifera *Wlk. fidicularia* Morr. Speckled Rustic.
1. Central Interior, Southern Interior, Brilliant, Duncan, Shawnigan District.
2. June, July, August.

2656. extima *Wlk. civica* Grt. Civil Rustic.
1. Central Interior, Southern Interior, Kootenays, Atlin.
2. July, August, September, October.

2657. meralis *Morr. bilunata* Grt. Mooned Rustic.
1. Southern Interior, Fort Steele, Kaslo, Brilliant, Duncan, Shawnigan District.
2. June, July, August, September.

Proxenus H.S.

2662. miranda *Grt.* Glistening Rustic.
a nitens *Dyar.*
1. Southern Vancouver Island, Lower Fraser Valley, Kaslo, Brilliant.
2. June, July.

2633. mindara *B & McD.*
1. Oliver.
2. June.

2664. mendosa *McD.*
1. Lillooet, Kaslo.
2. May, June.

Galgula Gn.

2666. partita *Gn. subpartita* Gn. *ferruginea* Wlk. *vesca* Morr. *bias* Druce. *mandane* Druce. (fem) *hepara* Sm. *interna* Wlk. *hippotamada* Druce.
1. Shawnigan District (Mill Bay).
2. August.

Protoperigea McD.

2672. anotha *Dyar.* Kaslo Rustic.
1. Kaslo, Lillooet.
2. July, August.

2673. posticata *Harv. veterata* Sm. White-winged Quaker.
1. Fraser Mills, Seton Lake, Northern Okanagan, Kaslo.

Enargia Hbn.

2685. decolor *Wlk. paleacea* Esper. *discolor* Sm. (laps. cal.) *sia* Strand. *mia* Strand.
1. Southern Interior, Kootenays, Gang Ranch, Hagensborg, Prince Rupert.
2. July, August, September.
3. *Betula* spp., *Alnus* spp., *Populus tremuloides. Populus dilatata.* Probably *Quercus* spp.

infumata *Grt. punctirena* Sm.
1. Southern Interior, Brilliant, Warfield.
2. June, July, August.

Zotheca Grt.

2686. tranquilla *Grt. sambuci* Stkr. Western Elder Moth.
form viridula *Grt.*
1. Southern Vancouver Island, Lower Fraser Valley, Kaslo, Brilliant, Nelson, Warfield.
2. July, August.
3. *Sambucus glaucus* Nutt. Blue-berried Elder.

Arzama Wlk.

2703. obliqua *Wlk. obliquata* Grt. Pale-shouldered Brindle.
1. Southern Vancouver Island, Lower Fraser Valley, Kaslo.
2. May, June, July.
3. *Lysichiton kamtschatcense* (L), Skunk Cabbage. *Typha latifolia* L. Cat-tail. (according to Holland).

Bellura Wlk.

Aarzamopsis Dyar.

*2708. gortynoides *Wlk. vulnifica* Grt.
1. Vancouver (a doubtful record).
2. July.

Pyrrhia Hbn.

2715. umbra *Hufn.* Bordered Sallow.
1. Shawnigan District.
2. June, July.
3. *Antirrhinum,* (garden vars.)
a experimens *Wlk. angulata* Grt.
1. Shawnigan District, Duncan, Alberni, Southern Interior, Kootenays.
2. May, June, July.
3. As above.

Eutricopis Morr.

2871. nexilis *Morr. elaborata* Hy Edw. White-spotted Midget.
1. Southern Interior, Kootenays, Cowichan Lake.
2. June, July.

Annaphila Grt.

2878. danistica *Grt.* Black-banded Midget.
1. Kootenays, Oliver.
2. May.

2885. decia *Grt. amicula* Hy Edw. Orange-winged Midget.
1. Southern Vancouver Island, Brilliant, Nelson, Robson.
2. March, April.

2889. diva *Grt.* White-barred Midget.
1. Southern Vancouver Island, Lower Fraser Valley.
2. May.

Subfamily **HELIOTHIINAE**

Melicleptria Hbn.

2912. perminuta *Hy. Edw.*
1. Nicola.
2. June.

2913. sueta *Grt.* Olive-winged Gem.
1. Hope Mountains, Vaseaux Lake, Robson, Shuswap Lake, Chase.
2. April, May, June, July.

2915. honesta *Grt. kasloa* Sm. Black-spotted Gem.
1. Southern Interior, Alexis Creek, Kaslo.
2. May.

Dysocnemis Grt.

2920. oregonica *Hy. Edw.* Oregon Gem.
1. Armstrong, Salmon Arm, Shuswap Lake.
2. June.

Heliothis Ochs.

2929. paradoxa *Grt.* Small Buff Gem.
1. Osoyoos.
2. June.

2930. ononis *Schiff. Septentrionalis* Hy. Edw.
1. Ainsworth.
2. June.

2931. phloxiphaga *G & R. phlogophagus* G & R. *acesias* Feld. *interjacens* Grt. Spotted Buff Gem.
1. Southern Interior, Kaslo, Nelson, Robson, West Vancouver, Victoria, Shawnigan District (Mill Bay), Duncan.

Canthylidia Butl.

2934. scutosa *Schiff. nuchalis* Grt. Spotted Clover Moth.
1. Southern Interior, Kaslo.
2. August.

Schinia Hbn.

2956. cumatilis *Grt. sulmula* Stkr. Silver-banded Gem.
1. Kaslo.

*2976. biundulata *Sm.* Wavy-lined Gem.
1. Victoria. One specimen, probably accidentally introduced.
2. June.

2978. separata *Grt.* Angled Gem.
1. Alexis Creek, Spences Bridge.
2. August.

Subfamily ACONTIINAE

Phobolosia Dyar.

3070. anfracta *Hy. Edw. reincarnata* Dyar. Dingy Midget.
1. Seton Lake, Kaslo.
2. July.

Erastria Ochs. Midgets.

Lithacodia Grt.

3119. albidula *Gn. intractabilis* Wlk. *cretiferana* Wlk. Common Midget.
1. Southern B.C.
2. May, June, July, August.

Tarachidia Hamp. Midgets.

3170. tortricina *Zell.*
form obsoleta *Grt.* Obsolete Midget.
1. Douglas Lake.
2. June.

3185. semiflava *Gn.* Yellow-cloaked Midget.
1. Enderby.

Therasea Grt. Midgets.

Conacontia Sm.

3191. angustipennis Grt. Narrow-winged Midget.
1. Kaslo, Kokanee Mountain.
2. August.

Acontia Ochs. Midgets.

Tarache Hbn.

3199. major *Sm.* Colorado Midget.
1. Kootenays.
2. July, August.

3202. areli *Stkr. monstrosa* Strand. Twin-spot Midget.
1. Kaslo, Enderby, Rossland.
2. June, July.

Subfamily EUTELIINAE

Marathyssa Wlk.

3223. inficita *Wlk. histrio* Grt. Modest Midget.
1. Lillooet, Oliver, Kaslo, Brilliant.
2. June, July.
3. *Rhus glabra*, Sumach.

Subfamily PLUSIINAE. Y - Marks.

Caloplusia Sm.

3245. ignea *Grt.* Mountain Beauty.
1. Atlin, Mount Garibaldi, Mount McLean, Glacier.
2. July, August, September.

Syngrapha Hbn.

3244. alticola *Wlk.* Alpine Beauty.
1. Kootenays, Mount Apex, Jesmond.
2. July.

3246. microgamma *Hbn.*
1. Jesmond.

3297. orophila *Hamp. diasema* Ottol. (nec. Bdv.) Yellow-winged Y.
1. Atlin, Mount McLean, Vavenby, Mount Apex, Kootenays, Forbidden Plateau.
2. July, August, September.

3254. rectangula *Kby.* Silver Cloud.
nargenta Ottol. *demaculata* Strand. *mortuorum* Gn.
1. Central Interior, Southern B.C.
2. June, July, August, September.
3. *Picea engelmanni, Pseudotsuga taxifolia, Abies grandis.*

3257. alias *Ottol. interalia* Ottol.
1. Southbank, Saint Mary's Lake, Chase, Vernon, Salmon Arm, Shuswap Lake, Brilliant, Mount Revelstoke.
2. June, July, August.
3. *Picea engelmanni.*

3255. celsa *Hy. Edw. excelsa* Wolley-Dod. *altera* Hamp. (nec. Ottol.)
altera ab. *alterana* Strand. *celsa* race *sierrae* (Ottol.)
Plain Silver Y.
1. Southern Vancouver Island, Hope Mountains, Shuswap Lake, Kaslo.
2. July, August, September.

3256. angulidens *Sm. var.* excelsa *Ottol.*
excelsa ab. *excelsana* (B. & B.) Mountain Silver Y.
1. Mount McLean, Mount Garibaldi, Shuswap Lake, Hope Mountains, Kaslo, Robson.
2. June, July, August.

3260. octoscripta *Grt.* Dusky Silver Y.
beta Strand.
1. Victoria, Shawnigan District, Powell River, Skagit River, Mission.
2. July, August.
3. *Vaccinium* spp. Hucklberry, etc.
var. magnifica *Ottol.*
1. Ucluelet.

3264. epigaea *Grt.* *epigaeella* Srand. Narrow Silver Y.
1. Southern B.C.
2. July, August, September.
3. *Vaccinium* spp. Huckleberry, etc.

3266. selecta *Wlk.* *viridisigma* Grt. *viridisignata* Grt. Blue Metal Mark.
1. Central Interior, Southern B.C.
2. June, July, August, September.
3. *Pseudotsuga taxifolia, Picea engelmanni, Picea mariana, Picea glauca, Abies grandis, Abies lasiocarpa.* Mountain Fir (White Balsam), *Pinus contorta latifolia, Pinus monticola.*

Anagrapha McD.

3252. falcifera *Kby.* Silver Sickle. Celery Looper (larva).
1. Penticton.
2. May.
form simplex *Gn.*
1. Southern Interior, Kaslo.
2. July, August.

Trichoplusia McD.

3269. ni *Hbn.*
var. brassicae *Riley.* *echinocystidis* Stkr. *u-notata* Strand.
Cabbage Silver Y. Cabbage Looper.
1. Kaslo, Robson, Duncan, Shawnigan District (Mill Bay).
2. May, June, July, August, September.
3. *Urtica* spp. *Cruciferae* spp. *Solanum* spp. Nightshade. Also Tomato. In greenhouses has been found on Chrysanthemum, Antirrhinum and other plants.

Chrysaspidia Hbn.

3274. nichollae *Hamp.* Columbia Gold-spot.
1. Southern B.C.
2. June, July, August, September.

Autographa Hbn.

3265. ampla *Wlk.* *alterna* Stkr. Broken-banded Y.
1. Southern B.C.
2. June, July, August.
3. *Amelanchier alnifolia.*

3261. v-alba *Ottol.* White Y Mark.
1. Kaslo, Rossland.

3283. corusca *Stkr.* Scalloped Silver Y.
1. Southern Vancouver Island, Lower Fraser Valley.
2. July, August, September.

3262. speciosa *Ottol.* Chocolate Silver Y.
1. Duncan Saanichton, Victoria.
2. July.

3271. sansoni *Dod.* Alberta Beauty.
1. Kaslo.

3285. bimaculata *Steph. u-brevis* Gn. Twin Gold-spot.
1. Victoria, Sahtlam, Fort George, Salmon Arm, Shuswap Lake, Kaslo.
2. August.

3286. mappa *G & R.* Wavy Chestnut Y.
1. Southern B.C.
2. May, June, July, August, September.

3287. pseudogamma *Grt.* Delicate Silver Y.
freya *Strand.*
1. Generally distributed.
2. Jluy, August, September.

3288. californica *Speyer.* Common Silver Y. Alfalfa Looper (larva).
1. Generally distributed.
2. February, March, April, May, June, July, August, September, October, November.
3. *Plantago* spp. *Trifolium* spp. *Medicago sativa, Vicia* spp. *Taraxcum officinale, Ranunculus* sp. Buttercup, Doronicum, Antirrhinum, Garden Mint, Dahlia.
form russea *Hy. Edw.*
1. Southern Vancouver Island.
2. August.

3292. metallica *Grt. scapularis* Hy. Edw. *lenzi* French. *kasloensis* Strand. Shanded Gold-spot.
1. Southern B.C.
2. June, July, August, September, October.

3291. flagellum *Wlk. monodon* Grt. *insolita* Sm. Silver Whip.
1. Agassiz, Vavenby, Kaslo, Nelson.
2. August.

Eosphoropteryx Dyar.

3300. thyatyroides *Gn.* Pink-tinted Beauty.
1. Southern Vancouver Island, Lower Fraser Valley, Lillooet, Northern Okanagan.
2. July, August.

Plusia Ochs.

3295. aereoides *Grt.* Brassy Plusia.
1. Southern B.C.
2. July, August.

Abrostola Ochs.

3307. urentis *Gn.* Variegated Brindle.
1. Shawnigan District, Duncan, Wellington.
2. June, July.
3. *Urtica* spp.

Subfamily CATOCALINAE

Catocala Schrank. Underwings.

1. Southern Vancouver Island.
2. August.
3. *Quercus garryana*, Garry Oak.

3344. relicta *Wlk. bianca* Hy. Edw. The Relict.
1. Southern Interior.
2. August, September.

a elda *Behr.* Narrow-banded Relict.
1. Southern Vancouver Island, Cloverdale, Kaslo, Robson.
2. July, August, September.

3350. allusa *Hlst. frenchi* Poling. Lilacine Underwing.
1. Southern Vancouver Island, Lower Fraser Valley, Soda Creek.
2. August, Sptember, October.

3351. cleopatra *Stkr.*

a caerulea *Beut.* Oregon Underwing.
1. Okanagan Landing.

3355. californica *Edw.* California Underwing.
1. Southern Interior, Kootenays, Riske Creek.
2. July, August, September.

a edwardsi *Kus. mariana* Stkr. *eldoradensis* Beut.
1. Robson.
2. August.

3357. briseis *Edw.* Ribbed Underwing.
1. Southern Interior, Kootenays, Likely.
2. July, August, September, October.

*3359. pura *Hlst.* Pure Underwing.

3360. nevadensis *Beut.* Pacific Underwing.
1. Kootenays, Soda Creek, Southern Interior.
2. July, August, September.

form montana *Beut.*
1. Lillooet, Shuswap Lake, Armstrong, Kaslo, Robson.
2. July, August.

3368. arizonae *Grt.*

a augusta *Hy. Edw.* Augusta Underwing.
1. Kaslo.
2. August.

Euclidina McD. Grass Moths.

3426. cuspidea *Hbn.* Pointed Grass Moth.
1. Southern B.C.
2. April, May, June.

Caenurgina McD. Grass Moths.

3427. annexa *Hy. Edw. conspicua* Sm. Banded Grass Moth.
1. Southern Interior, Riske Creek.
2. April, May.

3428. caerulea *Grt. aquamarina* Feld. *livida* Letcher. Blue Grass Moth.
1. Southern Vancouver Island, Lower Fraser Valley.
2. April, May.

3429. distincta *Neum.* Range Grass Moth.
1. Southern Interior, Lac la Hache.
2. June, July.

3430. crassiuscula *Haw. erichto* Gn. *sobria* Wik.
1. Shuswap Lake, Okanagan Falls.
2. May, August.

3431. erechtea *Cram. patibilis* Wlk. *narrata* Wlk. *agricola* G. & R. *mundula* G. & R. Common Grass Moth. Forage Looper (larva).
1. Southern Vancouver Island, Lower Fraser Valley, Southern Interior, Brilliant, Robson, Warfield.
2. May, June, July, August, September.

form parva *Blkmre.*
1. Southern Vancouver Island, Lower Fraser Valley.
2. April, May.

Zale Hbn.

3484. minerea *Sm.*

a norda *Sm.* (male) *minereana* Strand. (female) *minereella* Strand. Mahogany Similar-wing.
1. Southrn B.C.
2. April, May, July, August.
3. *Picea engelmanni* Engelm. Engelmann Spruce. *Pyrus* spp. Apple, foliage preferred, but will eat the fruit.

3490. duplicata *Beth.*

var. largera *Sm.* Banded Similar-wing. Grey Similar-wing.
1. Wellington, Salmon Arm, Shuswap Lake, Princeton.
2. May, June.
3. Probably *Pinus* spp.

3500. calycanthata *A. & S.*
1. Kaslo.
2. May, June.
3. *Betula* spp.

Erebus Latr.

3525. odora L. *agarista* Cram. The Black Witch.
1. Occasional visitor.
2. August, September, October.

Toxocampa Gn.

3538. victoria *Grt.* The Brown-neck.
1. Southern B.C.
3. June, July, August.

Ulosyneda Sm.

3543. subtermina *Sm.* The Stranger.
1. Duncan, Victoria.
2. March, April.

Melipotis Hbn.

3551. jucunda *Hbn. cinis* Gn. *versabilis* Harv., (fem.) *tetrica* Hy. Edw. The Puritan.
1. Southern Vancouver Island, Southern Interior, Kootenays.
2. May, June, July, August.
3. *Salix* spp.

Bulia Wlk.

Cirrhobolina Grt.

3556. deducta *Morr. pavitensis* Morr. *incandescens* Grt. *albina* Stkr. *mexicana* Behr. The Mexican.
1. Kaslo.
2. August.

Drasteria Hbn.

Syneda Gn.

3559. mirifica *Hy. Edw.*
a hastingsi *Hy. Edw* Sonoran Arches.
1. Vaseaux Lake
2. June.

3563. graphica *Hbn. capiticola* Wlk. *media* Morr. *faceta* Hy. Edw.
1. Hope Mountains (Skaist River).
2. July.

Synedoida Hy. Edw.

3569. sabulosa *Hy. Edw.* The Sandman.
1. Kootenays, Penticton.
2. June, July.
b nichollae *Hamp.*
1. Lillooet, Brilliant.
2. May, June, July.

3572. ochracea *Behr*. Great Orange Arches.
1. Kootenays, Vaseaux Lake, Enderby.
2. May, June, July.

3573. divergens *Behr*. Divergent Arches.
1. Southern Interior, Brilliant, Nelson, Robson, Shawnigan District (Mill Bay).
2. June, July.
form socia *Behr*. Pale-Banded Arches.
1. Kaslo, Vaseaux Lake.
2. June.

3574. hudsonica *G. & R.* Northern Arches.
1. Southern Interior, Kootenays, Stikine River.
2. May, June, July.

3578. adumbrata *Behr*. Shadowy Arches.
1. Southern Interior, Kootenays, Riske Creek.
2. May, June, July.
b alleni *Grt.*
1. Lillooet, Kaslo.
2. May, June.

3583. howlandi *Grt. exquisita* Hamp. Desert Arches.
1. Keremeos.

Scoliopteryx Germ.

3615. libatrix *L.* The Herald. The Hawthorn Moth.
1. Central Interior, Southern B.C.
2. July, August, September, October, (H.) May, June.
3. *Salix* spp. Sallows & Willows, including ornamentals such as Weeping Wilow. *Populus trichocarpa, Populus dilatata.*

Subfamily HYPENINAE. Snout Moths.

Spargaloma Grt.

3684. sexpunctata *Grt.* Dotted Snout.
1. Southern B.C.
2. June.

Bomolocha Hbn.

3689. bijugalis *Wlk. pallialis* Zell. male *fecialis* Grt. Toothed Snout.
1. Southern Vancouver Island, Fraser Mills.
2. July.

3690. palparia *Wlk. scutellaris* Grt. Variegated Snout.
1. Southern B.C.
2. June, July, August.

3691. abalienalis *Wlk.* White-lined Snout.
1. Rosedale.
2. July.

3696. atomaria *Sm. chicagonis* Dyar. *perpallida* Dyar. Pale-banded Snout.
1. Vernon.
2. June.

3698. toreuta *Grt. albisignalis* Zell. Embossed Snout.
1. Cameron Lake, Duncan, Lillooet, Shuswap Lake.
2. May, June.
3. *Cornus nuttali*, Western Dogwood.

Hypena Schrank.

3706. humuli *Harr. evanidalis* Rob. *germanalis* Wlk. Hop-vine Snout.
1. Central Interior, Southern B.C.
2. April, May, June, July, August, September.
3. *Urtica* spp. Stinging Nettle. *Humulus* spp. Hop.

3707. californica *Behr.* Californian Snout.
1. Southern B.C.
2. February, March, April, June, July, August, September, October.
3. *Urtica* spp.

3708. decorata *Sm.* Decorated Snout.
1. Southern Vancouver Island, Lower Fraser Valley.
2. March, April, May, August, September, October.
3. *Urtica* spp.

Subfamily RIVULINAE. Snout Moths.

Mycterophora Hlst.

3711. longipalpata *Hlst.* Mottled Brown Snout.
1. Mount Malahat, Wellington, Kaslo, Lillooet, Shuswap Lake.
2. July, August.
3. According to Dyar on green lichens growing on damp wood.

Rivula Gn. Snout Moths.

3732. propinqualis *Gn.* Small Yellow Snout.
1. Southern Vancouver Island, Lower Fraser Valley, Shuswap Lake.
2. July.

Subfamily HERMINIINAE. Snout Moths.

Camptylochila Steph.

3734. americalis *Gn. scriptipennis* Wlk. American Snout.
1. Southern Vancouver Island, Chilliwack, Hazelton, Lillooet, Penticton, Robson.
2. June, July, August.

3735. aemula *Hbn. undulalis* Steph. *mollifera* Wlk. *herminioides* Wlk. *concisa* Wlk. Powdered Snout.
1. Southern Interior, Kaslo, Brilliant, Williams Lake.
2. June, July, August.
3. *Picea* spp.

3746. lubricalis *Geyer. bistrigalis* Steph. *phaealis* Gn. *surrectalis* Wlk.
1. Lillooet, Brilliant.
2. June, July.

Epizeuxis Hbn. Snout Moths.

Zanclognatha Led.

3763. jacchusalis *Wlk. marcidilinea* Grt. Dowdy Snout.
1. Vavenby, Seton Lake.
2. July.

a bryanti *Barnes.*
1. Brilliant.
2. July.

3764. ochreipennis *Grt.* Ochreous Snout.
1. Southern B.C.
2. July.

3765. lutalba *Sm.*
1. Robson.
2. June.

Chytolita Grt. Snout Moths.

3766. morbidalis *Gn.* Luteous Snout.
1. Southern Vancouver Island, Lower Fraser Valley, Southern Interior, Nelson, Robson.
2. May, June.

3767. petrealis *Grt. punctiformis* Sm. Lesser Luteous Snout.
1. Southern Interior.
2. May, June.

Philometra Grt. Snout Moths.

3770. metonalis *Wlk. inceptaria* Wlk. *effusalis* Wlk. *gaosalis* Wlk. *longilabris* Grt. The Tufted Snout.
1. Kootenays, Vavenby, Shuswap Lake.
2. June, July.

Bleptina Gn. Snout Moths.

3797. caradrinalis *Gn. cloniasalis* Wlk. Variable Snout.
1. Southern B.C.
2. June, July, August, September.
3. Dead dry leaves according to Dyar.

Palthis Hbn. Snout Moths.

3807. angulalis *Hbn. aracinthusalis* Wlk. Angulated Snout.
1. Southern B.C., Hazelton, Valemont, Langworth.
2. May, June, July, August.
3. *Larix occidentalis, Picea engelmanni, Picea sitchensis, Pinus contorta latifolia, Pseudotsuga taxifolia, Abies grandis, Betula* spp., *Acer* spp., *Prunus demissa, Spiraea* van Houtei.

Family PERICOPIDAE

Gnophaela Wlk.

3817. latipennis *Bdv.*
b vermiculata *G. & R. continua* Hy. Edw. The Green Lattice.
1. Southern Interior, Kootenays, Stuart Lake, Topley.
2. July, August.
2. *Picea* spp.

Family NOTODONTIDAE Prominents.

Ichthyura Hbn. Chocolate Tips.

3822. apicalis *Wlk. vau* Fitch. *indentata* Pack. Common Chocolate-tip.
1. Southern B.C.
2. April, May, June.
3. *Salix* spp. Sallows, *Populus trichocarpa.*

3827. albosigma *Fitch.*
a specifica *Dyar.* White-C Chocolate-tip.
1. Southern Interior, Kootenays, Agassiz.
2. May, August.

3828. brucei *Hy. Edw.* Bruce's Chocolate-tip.
1. Kootenays, Vancouver.
2. June.
3. *Salix lasiandra.*

Datana Wlk.

3829. ministra *Dru.* Yellow-necked Apple-worm.
1. Southern Interior, Kootenays.
2. May, June.
3. Apple. *Pinus contorta latifolia.*

Hyperaeschra Butl.

3844. pacifica *Behr.* Pacific Prominent.
1. Kotenays, Shuswap Lake.
2. May.

Odontosia Hbn.

3847. elegans *Stkr.* Elegant Prominent.
1. Kootenays, Shuswap Lake.
2. July.
3. *Populus tremuloides.*

Notodonta Ochs.

3850. simplaria *Graef.* Simple Prominent.
1. Kaslo.
2. July.

Pheosia Hbn.

3851. rimosa *Pack. californica* Stretch. Fissured Prominent.
1. Kootenays.
2. May, September.

3852. portlandia *Hy. Edw. descherei* Neum. Portland Prominent.
1. Southern Vancouver Island, Lower Fraser Valley.
2. April, May, July, August.
3. *Salix lasiandra, Salix* spp. (Sallows), *Populus tremuloides, Populus trichocarpa, Populus dilatata.*

Nadata Wlk.

3857. gibbosa *A. & S.*

c oregonensis *Butl.* Oregon Prominent.
1. Southern B.C.
2. May, June, July.
3. *Salix* spp. Sallows & Willows, *Quercus garryana, Alnus rubra, Acer* spp., *Castanea* sp. Spanish Chestnut. *Rosa* spp., *Amelanchier alnifolia.*

Dicentria H.-S.

Ianassa Wlk.

3915. pallida *Stkr.* Pale Prominent.
1. Kootenays, Victoria, Shawnigan District, Alberni.
2. June, July, August.
3. *Rosa* spp. Wild and Garden Roses. *Amelanchier alnifola* Nutt., *Acer macrophyllum, Alnus rubra, Populus trichocarpa, Salix* spp. (Sallows).

3919. semirufescens *Wlk. eximia* Grt. Rusty Prominent.
1. Kaslo, Lillooet, Agassiz, Fraser Mills, Shawnigan District, Wellington.
2. June, July, August.
3. *Alnus rubra, Acer macrophyllum, Populus dilatata, Salix* spp. (Sallows), *Rosa* spp. Garden Roses, *Amelanchier alnifolia. Crataegus oxyacantha* L. English Hawthorn. *Cersis canadensis* L. Judas Tree (Redbud).

Schizura Dbldy.

3920. ipomoeae *Dbldy. biguttatus* Pack. *confusa* Wlk. *ducens* Wlk. *corticea* Wlk. *compta* Wlk. *nigrosignata* Wlk. White-tipped Prominent.
1. Southern Vancouver Island, Shuswap Lake, Kaslo, Brilliant, Nelson, Robson, Warfield.
2. June, July, August.
3. *Amelanchier alnifolia. Rosa* spp. garden vars.

3921. concinna *A. & S. nitida* Pack. Red-humped Apple-worm.
1. Kootenays, Shuswap Lake.
2. May, August.
3. Apple.

3924. unicornis *A. & S. edmandsi* Pack. *humilis* Wlk. Variegated Prominent.
1. Southern Vancouver Island, Kaslo, Brilliant, Lillooet, Shuswap Lake.
2. May, June, July.
3. Apple. *Prunus* spp. Plums, cherries, apricots, ornamental vars. of cherry, ornamental crab apple, *Crataegus oxyacantha* L. English Hawthorn. *Amelanchier alnifolia, Rosa* spp. Garden Roses. *Salix* spp.

Cerura Schrank. Kitten Moths.

3934. occidentalis *Lint.*
a gigans *McD. deorum* Dyar. Willow Kitten.
1. Kootenays, Vavenby, Lower Fraser Valley.
2. May, June.
3. *Salix lasiandra.*

3935. cinerea *Wlk.*
b paradoxa *Behr.*
1. Lillooet.
2. June, July.

3938. scolopendrina *Bdv.*
a pluvialis *Dyar.* Poplar Kitten.
1. Southern Vancouver Island, Kootenays, Lillooet, Shuswap Lake.
2. April, May, June, July, August.
3. *Salix* spp. (wild and cultivated) *Populus* spp.

Gluphisia Bdv. Pebbles.

3939. septentrionalis *Wlk. clandestina* Wlk. *trilineata* Pack. Small Pebble.
1. Vavenby, Nelson.
2. June.
3. *Populus tremuloides, Populus trichocarpa.*

3940. severa (female form) *Hy. Edw.*
normal form normalis *Dyar.* Banded Pebble.
1. Kootenays, Shuswap Lake, Okanagan Falls.
2. April, May.
3. *Populus trichocarpa.*
form danbyi *Neum.* Dusky Pebble.
1. Southern Vancouver Island, Kootenays, Vavenby.
2. March, April.
3. *Populus* spp.

Family LIPARIDAE. Tussock Moths.

Notolophus Germ.

3943. *antiqua* L.

a badia *Hy. Edw.* Common Vapourer Moth. Rusty Tussock Moth.

1. Southern Vancouver Island, Lower Fraser Valley, Kootenays, Southern Interior, Central Interior.
2. July, August, September, October.
3. *Salix* spp. (Sallows), *Pyrus* spp. Plum (garden and ornametnal), *Quercus garryana*, Rosa spp. garden vars., *Rubus* spp. Blackberry, Loganberry, etc., *Ribes sanguineum*, also cultivated vars. of Currant, *Crataegus brevispina*, *Amalenchier alnifolia*, *Wistaria* and probably many other deciduous trees and shrubs. Reported also from the following conifers.—*Pseudotsuga taxifolia*, *Picea pungens*, Blue Spruce (ornamental). *Picea engelmanni*, *Pinus contorta latifolia*, *Thuja plicata*, Western Red Cedar.

Hemerocampa Dyar. Tussock Moths.

3945. pseudotsugata *McD.* Douglas Fir Tussock.

1. Southern Interior, Penny, Edgewood, Shawnigan District (Mill Bay).
2. August, September.
3. *Pseudotsuga taxifolia*, *Abies grandis*, *Abies lasiocarpa*, *Tsuga heterophylla*, *Picea engelmanni*, *Larix occidentalis*.

Olene Hbn. Tussock Moths.

3954. vagans *B. & McD.*

a grisea *B. & McD.* Wandering Tussock.

1. Southern Interior, Kootenays, Agassiz.
2. May, June, July, August.
3. Apple, *Rosa* spp.

b willingi *B. & McD.*

1. Lillooet.
2. July.

3961. plagiata *Wlk. pini* Dyar.

1. Windermere.
2. July.

3962. styx *B. & McD.* Dark Tussock.

1. Duncan, Shawnigan District (Mill Bay).
2. July.

3963. grisefacta *Dyar.* Grey Tussock.

1. Kaslo, Blewett, Golden, Arrow Park, Creston, Edgewood, Trinity Valley, Kamloops, Terrace, Louis Creek.
2. July, August.
3. *Picea engelmanni*, *Picea sitchensis*, *Larix occidentalis*, *Pinus monticola*, *Pseudotsuga taxifolia*.

Stilpnotia West. The White Satin Moth.

3966. salicis *Linn.* The Satin Moth.

1. Southern Vancouver Island, Lower Fraser Valley.
2. June, July.
3. *Salix* spp. Willows & Sallows. *Populus trichocarpa*, *Populus dilatata*, also Silver & Carolina Poplars, *Populus tremuloides*.

Superfamily BOMBYCOIDEA

Family Lasiocampidae

Tolype Hbn.

3982. dayi *Blkmre.* Day's Lappet.
1. Southern Vancouver Island, Vancouver, Port Haney, Seton Lake, Lillooet, Shuswap Lake, Kootenays.
2. July, August, September.

3987. laricis *Fitch. minuta* Grt. The Larch Lappet.
1. Barriere, Vernon.
2. August, September, October.
3. *Larix occidentalis, Pseudotsuga taxifolia.*

Malacosoma Hbn. Lackey Moths.

*3989. americanum *Fabr. decipiens* Wlk. *frutetorum* Bdv. *pensylvanica* Gper. Eastern Tent-caterpillar. Eastern Lackey.
1. Possibly from Shuswap Lake.
2. July.
3. Apple, *Salix* spp.

3994. pluviale *Dyar.* Western Tent-caterpillar. Western Lackey.
1. Southern B.C.
2. June, July, August.
3. Apple, *Pyrus rivularis.* Oregon Crab-apple, *Sorbus aucuparia,* Mountain Ash, garden vars. of Plum and Cherry, and ornamental cherries, *Prunus emarginata,* Cherry, Wild Rose, *Alnus rubra, Quercus garryana, Salix* spp. Willows and Sallows, *Populus dilatata, Crataegus brevispina, Crataegus oxyacantha, Ribes* spp. Gooseberries and curants.

3997. disstria *Hbn.*
a erosum *Stretch.* Forest Tent-caterpillar. Forest Lackey.
1. Southern Vancouver Island, Port Haney, Kaslo, Hosmer, Taft, Vernon, Shuswap Lake, Lillooet, Lac la Hache.
2. July, August.
3. *Populus tremuloides, Populus trichocarpa, Alnus rubra,* Apple, *Quercus garryana.* Will also eat Willows, Birch, Dogwood, *Rosa* spp. and *Helianthemum* (Rock-rose). Has been reported from the following conifers, *Larix occidentalis, Pinus contorta latifolia.*

Epicnaptera Ramb. Lappets.

3999. americana *Harr. illicifolia* Auct. *occidentis* Wlk. Small Lappet. American Lappet.
1. Southern B.C., Babine Lake.
2. March, April, May, June.
3. *Alnus rubra, Populus trichocarpa,* Willows (Sallows), Apple, *Quercus garryana, Betula occidentalis, Ceanothus sanguineus.* Has been reported from *Picea engelmanni.*

Superfamily DREPANOIDEA

Family THYATIRIDAE Lutestrings.

Habrosyne Hbn.

4004. scripta *Gosse. abrasa* Gn. The Scribe.
1. Southern Vancouver Island, Lower Fraser Valley, Kootenays, Shuswap Lake, Sumallow Creek, Nicolum River, Tofino.
2. June, July, August.
3. *Rubus* spp., as bramble, raspberry and thimbleberry.

4005. chatfeldi *Grt. derasa* Hy Edw.
1. Lillooet.
2. July.

Pseudothyatira Grt.

4007. cymatophoroides *Gn.* Short-cloaked Lutestring.
1. Southern Vancouver Island, Shuswap Lake, Kaslo, Brilliant, Robson.
2. June, July, August.
3. Willows (Sallows), *Populus trichocarpa, Alnus rubra, Prunus* spp. Plums, *Corylus rostrata, Crataegus oxyacantha, Amelanchier alnifolia, Rubus* spp. as bramble, thimbleberry and salmonberry.

form expultrix *Grt.* Two-toned Lutestring.
1. Southern Vancouver Island, Lower Fraser Valley, Kootenays, Seton Lake, Shuswap Lake.
2. June, July.
3. As above.

Euthyatira Sm.

4010. pudens *Gn.* The Peach-blossom Moth.
1. Southern Vancouver Island, Fraser Mills, Shuswap Lake, Okanagan Falls, Kaslo.
2. April, May.
3. *Cornus* sp., *Rubus* spp. as bramble and raspberry.

4012. semicircularis *Grt. tema* Stkr. Grey Lutestring.
1. Shawnigan District, Duncan, Fraser Mills.
2. May, June.

a griseor *B. & McD.*
1. Lillooet.
2. May, June.

Ceranemota Clarke.

4013. improvisa *Hy. Edw.* Banded Lutestring.
1. Southern Vancouver Island.
2. September, October.
3. *Prunus emarginata.*

4015. fasciata *B. & McD.* Columbian Lutestring.
1. Southern Vancouver Island, Kootenays.
2. September, October.
3. *Prunus emarginata, Amelanchier alnifolia.*

4014. tearlei *Hy.Edw.* Scarce Lutestring.
1. Marron Lake, Shuswap Lake, Kaslo.
2. September.

albertae *Clarke.* Alberta Lutestring.
1. Brilliant, Kaslo, Lillooet, Summerland.
2. September.

Family DREPANIDAE

Drepana Schrank. Hook-tips.

4020. arcuata *Wlk. fabula* Grt.
a siculifer *Grt.* Common Hook-tip.
1. Southern B.C.
2. April, May, June, July, August.
3. *Alnus rubra.*

4021. bilineata *Pack.* Scalloped Hook-tip.
1. Wellington, Shawnigan District (Mill Bay), Fraser Mills, Shuswap Lake, Kaslo, Robson.
2. April, May, June, July.
3. *Alnus rubra, Betula* spp.
form levis *Hud.*
1. Wellington, Alberni, Shuswap Lake, Kaslo, Armstrong.
2. July, August, September.
3. As above.

Superfamily GEOMETROIDEA

Family GEOMETRIDAE. Loopers. Geometers. Span-worms.

Subfamily BREPHINAE

Brephos Zinck.

4023. infans *Moesch. hamadryas* Harr.
a oregonensis *Swett.* Oregon Infant.
1. Southern B.C.
2. March, April, May.
3. *Betula* spp. and probably *Alnus rubra.*

4024. fletcheri *Sm.* Scarce Infant.
1. Goldstream.
2. March.

Subfamily GEOMETRINAE

Hemitheinae

Nemoria Hbn. Emeralds.

4046. bistriaria *Hbn. bifilata* Wlk. Oblique-striped Emerald.
1. Kamloops.
2. August.

4059. darwiniata *Dyar.* Columbian Emerald.
1. Southern Vancouver Island, Lower Fraser Valley, Southern Interior, Kaslo, Brilliant, Nelson.
2. June, July, August, September.

4062. hudsonaria *Tayl.*
1. Lillooet.
2. June.

4063. unilinearia *Tayl.* Single-lined Emerald.
1. Southern Vancouver Island, Kaslo.
2. June, July, August.

Synchlora Gn. Eheralds.

4073. liquoraria *Gn. tricoloraria* Pack. *rubrifrontaria* Dyar. Wavy-lined Emerald.
1. Central Interior, Southern B.C.
2. June, July, August, September.
3. *Eriogonum* spp., *Solidago* spp., *Coreopsis, Chilopsis.* Larvae feed on the flowers.

4074. rubrifrontaria *Pack. rufofrontaria* Gump. Scalloped Emerald.
1. Salmon Arm, Shuswap Lake, Kaslo.
2. June, July, August.

Chlorosea Pack. Emeralds.

banksaria *Sperry.* Banks Emerald.
1. Southern Vancouver Island, Fairview, Kaslo.
2. June, July.
3. *Alnus rubra, Prunus emarginata, Salix* spp.

Mesothea Warr. Emeralds.

4090. viridipennata *Hlst.* marinaria Stkr. Plain Emerald.
1. Southern Vancouver Island, Lower Fraser Valley, Shuswap Lake, Kaslo, Nelson.
2. April, May.
3. *Populus trichocarpa, Prunus emarginata,* Gooseberry.

Subfamily STERRHINAE

(Acidaliinae)

Scelolphia Hlst. Waves.

4127. hepaticaria *Gn.* Small Brown Wave.
1. Southern B.C.
2. April, May.

Xystrota Hlst.

4134. rubromarginaria *Pack. ferruminaria* Zell.
1. Brilliant.
2. May.

Scopula Schrank. Waves.
Acidalia Tr.

4144. quinquelinearia *Pack.* Five-lined Wave.
1. Southern B.C.
2. May, June, July, August.

4147. ancellata *Hlst.* Pointed-winged Wave.
1. Kootenays, Marron Lake, Shuswap Lake.
2. July, August.

4148. junctaria *Wlk.* *quadrilineata* Pack. United Wave.
1. Kaslo.
2. August.

4150. fuscata *Hlst.* Ochreous Wave.
1. Central Interior, Southern Interior, Kootenays.
2. June, July, August.

4151. frigidaria *Moesch.* *defixaria* Wlk. *impauperata* Wlk. *arcticaria* Wlk. *okakaria* Pack. Arctic Wave.
1. Atlin.
2. July.

siccata *McD.*
1. Aspen Grove, Keremeos.
2. July.

4153. quaesitata *Hlst.*
1. Vernon, Shuswap Lake, Okanagan Falls, Shuttleworth Creek, Robson.
2. June.

4154. sideraria *Gn.* Rosy-edged Wave.
1. Southern Interior, Kaslo.
2. June.
3. *Alnus* sp. *Polygonum* spp. Knot-weed.

4157. subfuscata *Tayl.* Columbian Wave.
1. Southern Vancouver Island.
2. May, June.

Sterrha Hbn. Waves.

Ptychopoda Curt.

4180. demissaria *Hbn.* *inclusaria* Wlk.
b columbia *McD.* Lesser Wave.
1. Lillooet, Shuswap Lake, Brilliant.
2. June, July.

4195. rotundopennata *Pack.* *hanhami* Hlst. Round-winged Wave.
1. Southern Interior, Kootenays.
2. June.
3. *Polygonum* spp.

Cosymbia Hbn. Waves.

4208. dataria *Hlst.* *piazzaria* Wgt. Russet Wave.
1. Southern Vancouver Island.
2. April, May.

4211. pendulinaria *Gn.*
a griseor *McD.* Pearly-grey Wave.
1. Southern B.C.
2. May, June, July, August.
3. *Alnus rubra.*

Subfamily LARENTIINAE

Carsia Hbn.

4213. paludata *Thun.*
a alpinata *Pack.* *boreata* Pack. Alpine Carpet.
1. Mount McLean, Hope Mountains, Manning Park, Kaslo.
2. July, August.
var. columbiata *McD.*
1. Mount Apex at 6000 to 7000 feet.
2. July, August.

Acasis Dup.

4221. viridata *Pack.* *eborata* Hlst. Small Banded Wave.
1. Victoria, Wellington, Vancouver, Kaslo.
2. April.

Nyctobia Hlst.

4223. limitaria *Wlk.*
a nigroangulata *Stkr.* Black-angled Wave.
1. Southern B.C., Bella Coola, Goat River.
2. April, May, June.
3. *Picea glauca, Picea engelmanni, Larix occidentalis, Pinus contorta latifolia, Tsuga heterophylla, Abies grandis, Pseudotsuga taxifolia.*

Cladara Hlst.

4225. atroliturata *Wlk.* *geminata* G. & R. *vernata* Pack. (partim). Variegated Wave.
1. Southern Interior, Kootenays.
2. April, May, June.

Lobophora Curt.

4227. montanata *Pack.* *nocticolata* Hlst.
1. Lillooet, Atlin.
2. June.

4228. simsata *Swett.* Grey Seraphim.
1. Southern Vancouver Island, Fraser Mills, Vavenby, Shuswap Lake.
2. April, May, June.

4229. magnoliatoidata *Dyar.* Kaslo Seraphim.
1. Southern Interior, Kootenays.
2. May, June, July.

4230. canavestita *Pears.* Northern Seraphim.
1. Stewart.
2. July.

Neodezia Warr.

4235. albovittata *Gn. propriaria* Wlk. *reciprocata* Wlk. White-striped Black.
1. Generally distributed.
2. May, June, July, August.
a tenuifasciata *B. & McD.*
1. Ymir, Shuswap Lake, Rossland, Enderby, Kaslo.
2. June.

Paraptera Hlst.

4238. danbyi *Hlst.* Large Winter Moth.
1. Victoria, Kelly Lake.
2. November, December.
3. *Quercus garryana, Picea* spp.

Oporophtera Hbn.

Rachela Hlst.

4239. bruceata *Hlst.* Bruce's Winter Moth. Bruce's Spanworm (larva).
1. Southern Interior, Kootenays.
2. September, October, November.
3. Apple and Pear.

4241. occidentalis *Hlst.* Small Winter Moth.
1. Southern Vancouver Island, Lower Fraser Valley.
2. November, December, January (if mild).
3. *Quercus garryana, Amelanchier alnifolia, Symphoricarpus racemosus, Acer macrophyllum.*

Oporinia Hbn.

4242. pulchraria *Tayl.* Northern Winter Moth.
1. Taku River, Mount Cheam, Kaslo.
2. October, November.

4243. autumnata *Gn.*
a henshawi *Swett.* Autumn Carpet.
1. Generally distributed.
2. September, October.
3. *Alnus rubra, Picea glauca albertiana, Picea engelmanni, Abies grandis.*
b omissa *Harr.*
1. Brilliant, Robson, Warfield, Trinity Valley, Wells, Field.
2. August, September, October.
3. *Picea engelmanni,* and probably other spp. of Spruce.

Triphosa Steph.

4244. haesitata *Gn.* Brown Tissue.
1. Southern B.C.
2. July, August, September, October, November, December (on mild evenings), (H.) February, March, April, May.
3. *Prunus* spp. Wild plum, etc.
form pustularia *Hy. Edw.*
1. Southern B.C.
2. As above.
3. As above.

Calocalpe Hbn.

4247. undulata *Linn.* Scallop-shell.
1. Southern B.C.
2. April, May, June, July, August.
3. *Salix* spp. (Sallows), *Populus* spp. *Prunus emarginata, Prunus virginiana demissa.*

Coryphista Hlst.

4248. meadi *Pack.* Brown Scallop.
1. Southern B.C.
2. April, May, June, July, August, September.

form badiaria *Hy. Edw. optimata* Stkr. Banded Scallop.
1. Southern B.C.
2. April, May, June, July, August.
3. *Berberis* spp. Oregon Grape, Barberry.

Prorella B. & McD. Pugs.

4254. leucata *Hlst.* Spotted Pug.
1. Lillooet, Fort Steele.

4262. mellisa *Grossb.*
1. Okanagan Falls.
2. May.

Eupithecia Curt. Pugs.

4267. misturata *Hlst. subfoveata* Dyar. *minorata* Tayl. *insignificata* Tayl. *sublineata* Tayl. *scelestata* Tayl. *delzurata* S. & C. Insignificant Pug. Small Lined Pug. Minor Pug.
1. Southern Vancouver Island, Vancouver, Lillooet, Shusap Lake, Field, Robson, Kaslo.
2. March, April, May, June, July, August, September.
3. *Larix occidentalis,* Flowers of *Ceanothus* according to Dyar.

4268. harveyata *Tayl.* Vancouver Pug.
1. Vancouver.

4270. pygmaeata *Hbn.*

a obumbrata *Tayl. fortunata* Pears. Coloured Pug.
1. Southern Vancouver Island.
2. March.

4271. bryanti *Tayl. modesta* Tayl. Modest Pug. Arctic Pug.
1. Vancouver, Atlin, Stikine River.

4275. borealis *Hlst.* Northern Pug.
1. Victoria, Saanichton, Lillooet.
2. June.

4276. castigata *Hbn. latipennis* Hlst. Grey Pug.
1. Duncan, Rosedale, Hazelton, Shuswap Lake, Kaslo, Nelson.
2. June.
3. *Picea* spp.

4279. albipunctata *Haw.*
1. Field.

4281. kasloata *Dyar.* Kaslo Pug.
1. Cowichan Lake, Shawnigan District, Saanichton, Rosedale, Kaslo.
2. July, August.

4283. luteata *Pack. catskillata* Pears. *fasciata Tayl.*
1. Vernon, Kaslo.
2. June.
3. *Picea engelmanni*

a bifasciata *Dyar.* Two-banded Pug.
1. Kaslo, Vernon, Trinity Valley, Quesnel, Edgewood, Leanchoil, Fernie, Birch Island, Trout Lake, Goat River, Aleza Lake, Lumby, Flat Creek, Lillooet. (3 mile lake).
2. June.
3. *Picea engelmanni, Larix occidentalis, Pseudotsuga taxifolia, Tsuga heterophylla, Abies grandis.*

4285. rotundopuncta Pack. Variegated Pug.
1. Southern Vancouver Island, Coast Region.
2. May, June.

4287. palpata *Pack.*
1. Shuswap Lake, Fernie, Barriere, Prince George, Stoney Creek, Shalalath, Michel, Powell Lake, Whatshan Lake, Quatam River, Little Fort, North Thompson Valley, Williams Lake, Cedarvale, New Hazelton, Valemont, Trinity Valley, Hazelton, Hansard Lake, Chase.
2. May.
3. *Picea engelmanni, Picea sitchensis, Pseudotsuga taxifolia, Tsuga heterophylla, Larix occidentalis, Abies amabilis, Abies lasiocarpa.*

chiricahuata *McD.*
1. Ucluelet.
2. June.

4288. columbiata *Dyar.* Columbia Pug.
1. Terrace, Shuswap Lake, Kaslo, Nelson.
2. May, June, July.
3. *Picea* spp. Spruce. *Prunus virginiana demissa.*

4290. maestosa *Hlst.*

a harlequinaria *Dyar.* Harlequin Pug.
1. Victoria, Wellington, Fraser Mills.
2. May.

b dyarata *Tayl.* Dyar's Pug.
1. Lillooet, Shuswap Lake, Kaslo, Brilliant.
2. June, July, August.

4292. laisata *Stkr.* Black-veined Pug.
1. Southern Vancouver Island, Lower Fraser Valley.

4293. longipalpata *Pack.* Common Pug.
1. Southern Vancouver Island, Lower Fraser Valley.
2. March, April, May, June, July, August.

4294. unicolor *Hlst. cenataria* C. & S. Single-lined Pug.
1. Southern Vancouver Island, Fraser Mills.
2. May, June, July, August, September.

4295. placidata *Tayl.* Placid Pug.
1. Kaslo.
2. July.

4319. satyrata *Hbn.*

c dodata *Tayl.* Alberta Pug.
1. Kaslo, Field.
2. May, June, July.

4321. terminata *Tayl.*
1. Kaslo, Shuswap Lake.
2. June, July.

form slocanata *Tayl.*
1. Kaslo.
2. June, July.

4330. coagulata *Gn. fumosa* Hlst. Twin-spot Pug.
1. Southern Vancouver Island, Southern Interior, Kaslo.
2. May, June, July, August.

4331. geminata *Pack. packardata* Tayl. *meritata* Pears.
1. Nelson, Shuswap Lake.
2. June.
3. *Achillea* spp., the flowers, *Aster* spp. Aster, on the flowers.

4332. nimbicolor *Hlst. obscurior* Hlst. *adornata* Tayl. *incresata* Pears. *inclarata* C. & S. Obscure Pug. Washed Pug.
1. Southern Interior, Kaslo, Atlin.
2. May, June.

4333. gelidata *Moesch. hyperboreata* Staud. *flebilis* Hlst. *lagganata* Tayl. compactata *Tayl. ? youngata* Tayl. *nordeggensis* S. & C. Mountain Pug.
1. Atlin, Windermere.

4335. perfusca *Hlst. spaldingi* Tayl. Smoky Pug.
1. Southern B.C.
2. March, April, May, June, July.

4336. innotata *Hfn.*

b alberta *Tayl.*
1. Lillooet.
2. June, July.

c kootenaiata Dyar. Kootenay Pug.
1. Kaslo, Brilliant, Shuswap Lake.
2. May, June, July.

4337. hanhami *Tayl.* Hanham's Pug.
1. Victoria, Goldstream.

4338. multiscripta *Hlst.*
1. Brilliant.
2. May.

4350. cretaceata *Pack.* White Pug.
1. Generally distributed.
2. May, June, July, August.

4341. georgii *McD.*
1. Kaslo, Nelson, Robson, Shuswap Lake.
2. May, June.

4342. sobrinata *Hbn.*

a interruptofasciata *Pack. quebecata* Tayl. Broken-banded Pug.
1. Duncan.
2. August.
3. *Juniperus scopulorum.*

b niphadophilata *Dyar.*
1. Kaslo, Shuswap Lake, Glacier, Field, Kokanee Mountain.
2. June, July, August, September.
3. *Juniperus scopulorum.*

4346. annulata *Hlst. limnata* Pears. March Pug.
1. Southern Vancouver Island, Lower Fraser Valley, Shuswap Lake, Gold Bridge, Cadwallader, Vernon, New Denver.
2. February, March, April.
3. *Pseudotsuga taxifolia, Picea engelmanni, Pinus contorta latifolia.*

4347. usurpata *Pears.* Dowdy Pug.
1. Southern Vancouver Island, Shuswap Lake.
2. March.

4348. filmata *Pears.*
1. Morrissey, Fernie.
2. March, April.
3. *Picea engelmanni, Tsuga heterophylla, Abies grandis.*

4349. olivacea *Tayl.* Olive Pug.
1. Southern B.C.
2. February, March.

4358. agnesata *Tayl.*
1. Kaslo, Shuswap Lake.
2. June.

4363. tenuata *Hlst.* Slender Pug.
1. Penticton, Okanagan Falls, Shuswap Lake, Lillooet, Kaslo.
2. June, July.

4364. perbrunneata *Tayl.* Brown Pug.
1. Victoria, Kaslo, Lillooet.
2. May.

4366. albicapitata *Pack.* White-headed Pug.
1. Cowichan Lake, Kaslo.

4367. togata *Hbn.*
var. columbrata *McD.*
1. Steelhead, Shawnigan Lake, Seton Lake.
2. May, June.
a mutata *Pears.* Bordered Pug. Red-banded Pug.
1. Southern Vancouver Island, Lillooet.
2. June, July.
3. *Picea sitchensis*, on the cones.

4369. scabrogata *Pears.* Pointed-winged Pug.
1. Wellington, Saanichton, Shawnigan District.
2. March, August.

(4370.) *form* gilvipennata *C. & S.*
1. Wellington, Shawnigan District.
2. March, April, May.

4376. implorata *Hlst.*
1. Okanagan Falls.
2. April.

4377. cestata *Hlst.*
1. Okanagan Falls.
2. April.

4378. probata *S. & C.* Russet Pug.
1. Southern Vancouver Island, Brilliant, Robson.
2. March, July.

4379. moirata *S. & C.* Watered Pug.
1. Penticton.
2. April.

4383. ravocostaliata *Pack.* Chocolate Pug.
1. Southern B.C.
2. March, April, May, June.
3. *Salix* spp.

4390. vancouverata *Tayl.* Arbutus Pug.
1. Southern Vancouver Island.
2. April, May, July, August, September.
3. *Arbutus menziesii.*
form stikineata *C. & S.* Stikine Pug.
1. Stikine River.
2. June.

Horisme Hbn.

Orthonama Hbn. Pugs.

4393. intestinata *Sm. impleta* Wlk. *indoctrinata* Wlk. Many-lined Pug.
1. Southern Interior, Kaslo, Brilliant.
2. June, July.

4394. incana *Swett.*
a columbia *McD.*
1. Lillooet, Kaslo.
2. June.

Eustroma Hbn.

4398. semiatrata *Hlst. nubilata* Pack. Clouded Brown.
1. Generally distributed.
2. April, May, June, July, August, September, October.
3. *Epilobium* spp.
form macdunnoughi *Blkmre.*
1. Southern Vancouver Island, Lower Fraser Valley, Vavenby, Kaslo.
2. As above.
3. As above.

4399. fasciata *B. & McD.*
1. Cowichan Lake, Wellington, Kaslo.
2. June.

4400. atrifasciata *Hlst. delimitata* Warr. Brown-toothed Beauty.
1. Southern Vancouver Island, Kootenays, Alexis Creek, Lillooet.
2. June, July, August.

Lygris Hbn.

4402. propulsata *Wlk. packardata* Lint. *ximena* Ellsw. Barred Yellow.
1. Generally distributed.
2. June, July, August.
3. *Vaccinium* spp.

4403. testata *Linn. achatinata* Hbn. The Chevron.
1. Central Interior, Southern Interior, New Westminster.
2. August, September.
3. *Salix* spp., *Populus tremuloides, Betula* spp.

4405. destinata *Moesch. remotata* Wlk. Banded Grey.
1. Southern Interior, Barkerville, Kaslo, South Fork Creek, West Robson, Glacier, Field.
2. August, September.
form (male) lugubrata *Moesch. nubilata* Pack.
1. Northern Interior, Central Interior, Vavenby, Lillooet, South Fork Creek, West Robson, Glacier, Field.
2. August, September.
form (female) similis *Wlk.* aBnded Straw.
1. As above.
2. As above.
b schistacea *Warr.*
1. Mount McLean, Vavenby, Kaslo.
2. August.
d bowmani *C. & S.*
1. Hope Mountains, Barkerville.
2. August.
e harveyata *Tayl.*
1. Vancouver, Fraser Mills, Stikine River, Manning Park.
2. August.

4407. xylina *Hlst.* The Phoenix.
1. Southern B.C.
2. June, July, August, September.
a speciosa *Hlst.*
1. M. 918 Alaska Highway.
2. August.
3. *Salix* spp.

Diactinia Warr.

4410. silaceata *ScHiff.*
a albolineata *Pack.* Small Phoenix.
1. Generally distributed.
2. April, May, June, July, August.
3. *Epilobium angustifolium.* Will eat *Fuchsia riccartoni* (a garden var.)

Colostigia Hbn.

Calostigia Hbn. (laps. cal.) Carpets.

4411. turbata *Hbn.*
a circumvallaria *Tayl.* Bordered Carpet.
1. Atlin.
2. June.

Plemyria Hbn. Carpets.

4412. georgii *Hlst.* Eyed Carpet.
1. Northern Interior, Southern Interior, Kootenays, Francois Lake.
2. June, July, August, September, October.
3. *Salix* spp.
a benesignata *B. & McD.* Pale Eyed Carpet.
1. Southern Vancouver Island, Lower Fraser Valley.
2. June, July, August, September, October.

Dysstroma Hbn. Carpets.

4414. sobria *Swett. swetti* Blkmre. Sober Carpet.
1. Southern Vancouver Island, Lower Fraser Valley.
2. June, July, August.
form subumbrata *Swett.*
1. Victoria.

4413. truncata *Hufn.*
a traversata *Kell.*
1. Lillooet, Bear Lake, South Fork Creek, Revelstoke, Glacier, Sandon, Field.
2. June, July.
3. *Larix occidentalis.*

walkerata *Pears.* Walker's Carpet.
1. Mount Arrowsmith, Port Alberni, Shawnigan District, Saanichton, Ucluelet, Cultus Lake, Nicola Lake, Keremos, Lytton, Canim Lake, Field, Glacier, Fernie, Kaslo.
2. July, August.
form ochrofuscaria *Swett.*
1. Southern Vancouver Island, Seton Lake.
2. July.

4416. citrata *Linn.* Dark Marbled Carpet.

1. Southern B.C., Hagensborg, Atlin, Lower Post.
2. June, July, August, September, October.
3. *Rubus* spp. Blackberry, Raspberry. *Fragaria* spp., *Vaccinium* spp. Blueberry, etc.

a strigulata *Fabr. immanata* Haw.

1. Hagensborg, Southern B.C.
2. June, July, August, September, October.
3. *Salix* spp.

b mulleolata *Hlst.* White-banded Carpet.

1. Southern Vancouver Island, Shuswap Lake, Warfield.
2. June, July, August, September.

4418. brunneata *Pack. suspectata* Moesh.

1. Atlin.
2. June.

4419. ethela *Hlst.* Handsome Carpet.

1. Southern Vancouver Island.
2. June, July.

a kasloata *Tayl.* Kaslo Carpet.

1. Kaslo, Brilliant, Warfield, Ainsworth, Mount McLean.
2. August.

4420. hersiliata *Gn. flammifera* Wlk.

1. Bear Lake, Bear Lake Mountain, Kaslo, Victoria.
2. June, July.
3. *Ribes sanguineum.* Currants and gooseberries.

a cervinifascia *Wlk.* Rusty Carpet.

1. Kaslo, Armstrong, Sandon, South Fork Creek.
2. August.

var. manitoba *McD.*

form infumata *McD.*

1. Oliver.
2. May.

4421. occidentata *Tayl.* Island Carpet.

1. Southern Vancouver Island.
2. July.

form mutata *Tayl.*

1. Southern Vancouver Island.
2. June, July.

4422. colvillei *Blkmre.* Saanich Carpet.

1. Saanichton, Shawnigan District, Duncan.
2. June, July.

4423. decorata *Tayl.* Decorated Carpet.

1. Southern Vancouver Island.
2. June, July, August.

4424. formosa *Hlst.* Graceful Carpet.
1. Southern Interior, Stikine River, Cowichan Bay.
2. June, July.
a boreata *Tayl.*
1. Victoria, Royal Oak, Likely, Lillooet.
2. May, June, July, August, September.
form admiranda *McD.*
1. Keremeos, Seton Lake.
2. June, July.
form gilvifasciata *McD.*
1. Keremeos.
2. July.

Eurhinosea Pack.

4428. flavaria *Pack.* Small Straw.
1. Brookmere, Clinton.
2. July.

Ceratodalia Pack.

4429. gueneata *Pack.* *excurvata* Grt. Plain Wave.
1. Southern B.C.
2. May, June, July, August, September.
3. *Polygonum.*

Thera Steph.

4432. otisi *Dyar.* Dyar's Carpet.
1. Mount Arrowsmith, Lillooet, Kaslo, Glacier, Field.
2. August, September.

Stamnodes Gn.

4435. blackmorei *Swett.* Rosy Carpet.
1. Southern Vancouver Island, Mount Cheam, Hope Mountains.
2. July.

4448. topazata *Stkr.* Topaz Carpet.
1. Atlin, Mount Cheam.
2. June.
a albida *B. & McD.*
1. Abbotsford.
2. April.

Stamnoctenis Warr.

4456. morrisata *Hlst.* *volucer* Hlst. Fawn Carpet.
1. Southern Vancouver Island, Lower Fraser Valley.
2. June, July.

Marmopteryx Pack.

4461. marmorata *Pack.* Marbled Carpet.
1. Southern Interior, Fort Steele, Cranbrook.
2. May.

Hydriomena Hbn. Highflyers.

4465. furcata *Thun.* Common Highflyer.
1. Generally distributed.
2. March, April, May, June, July, August.
form fascoundata *Don.*
1. Southern Vancouver Island.
2. As above.

4466. quinquefasciata *Pack.* Five-banded Highflyer.
1. Southern Vancouver Island.
2. June, July.
form viridata *Pack.*
1. Victoria.
2. May.
form periclata *Swett.*
1. Victoria.
2. April.

4467. albifasciata *Pack.*
a victoria *B. & McD.* White Dot Highflyer.
1. Victoria, Duncan.
2. March, June.

4469. nubilofasciata *Pack.* *? banavahrata* Stkr. February Highflyer.
1. Victoria.
2. February, March.
3. *Quercus garryana.*
form raptata *Swett.*
1. Victoria.
2. As above.
3. As above.
form vulnerata *Swett.*
1. Victoria, Sluggett.
2. As above.
3. As above.

4470. manzanita *Tayl.* Arbutus Highflyer.
1. Southern Vancouver Island, West Vancouver.
2. March, April, May.

4472. exculpata *B. & McD.*
form tribulata *B. & McD.* Northern Highflyer.
1. Kaslo.

4475. irata *Swett.* Variable Highflyer.
1. Southern Vancouver Island, Lower Fraser Valley.
2. April, May, June.
3. *Tsuga mertensiana.*
form niveifascia *Swett.*
1. Southern Vancouver Island.
2. April, May, June.
a quaesitata *B. & McD.*
1. Revelstoke, Glacier, Field, Kaslo.
2. June.

4477. pluviata *Gn. transfigurata* Swett.
1. Shuswap Lake.
2. June, July, August.

4478. perfracta *Swett.*
a exasperata *B. & McD.* Scarce Highflyer.
1. Victoria, Wellington, Departure Bay.
2. May.

4485. renunciata *Wlk.*
a columbiata *Tayl.* Columbian Highflyer.
1. Southern Vancouver Island, Lower Fraser Valley, Hansard Lake, Prince George, Morrissey, Hazelton, Lillooet, Quesnel, Valemont, Carnaby, Vanderhoof, McKinley Lake, Adams Lake, Vernon, Hope.
2. May, June, July.
3. *Picea engelmanni, Abies lasiocarpa Tsuga heterophylla, Pinus contorta latifolia, Pseudotsuga taxifolia, Larix occidentalis.*
form pernigrata *B. & McD.*
1. Stikine River, Skagit River, Brillant, Nelson, Seton Lake, Shuswap Lake.
2. May, June, July.

4486. crokeri *Swett.* Island Highflyer.
1. Victoria, Duncan.
2. April, May.

4488. californiata *Pack.* Californian Highflyer.
1. Southern Vancouver Island.
2. May, June, July.

4489. macdunnoughi *Swett.* Atlin Highflyer.
1. Atlin, Nicola.
2. May, June.

4492. ruberata *Frey.*
1. Lillooet.
2. June.
3. Alder.

nevadae *B. & McD.*
1. Keremeos.
2. June.

4495. edenata *Swett.*
b grandis *B. & McD.* Giant Highflyer.
1. Southern Vancouver Island.
2. April, May, June.

4496. speciosata *Pack.* Green Highflyer.
1. Southern Vancouver Island, Lower Fraser Valley, Kaslo.
2. July.
form taylori *Swett.*
1. Southern Vancouver Island.
2. July.

form ameliata *Swett.*

1. Victoria.
2. July.

Xanthorhoe Hbn. Carpets.

4509. lacustrata *Gn.*

1. Kaslo, Vernon, Penticton.
2. June.

4511. designata *Hufn.*

a emendata *Pears.* Pink-banded Carpet.

1. Southern B.C.
2. April, May, June, July, August, September.

4513. munitata *Hbn.*

a convallaria *Gn.* American Carpet.

1. Southern B.C.
2. March, April, May, June, July, August, September.
3. Ragwort.

4515. defensaria *Gn. californiata* Pack. *amorata* Hlst. *thanataria* Swett. Variable Carpet.

1. Southern B.C.
2. September, October.
3. *Salix* spp. (Sallows), *Alnus rubra, Acer macrophyllum, Ribes sanguineum, Stellaria media.*

form mephistaria *Swett. suppuraria* Swett.

1. Southern Vancouver Island, Kaslo, Brilliant.
2. April, May.

form cinciliaria *Swett.*

1. Southern Vancouver Island, Robson.
2. September, October.

form gigantaria *Sewtt.*

1. Southern Vancouver Island, Lower Fraser Valley, Kaslo.
2. April, May, June.

4516. ferrugata *Clerk. inclinataria* Wlk. Twin-spot Carpet.

1. Generally distributed.
2. April, May, June, July, August.

form unidentaria *Haw.*

1 Generally distributed.
2. As above.

4519. incursata *Hbn.*

a lagganata *S. & C.* Laggan Carpet.

1. Atlin, Shuswap Lake, Field.
2. June, July, August.

b harveyata *C. & S.* Vancouver Carpet.

1. Grouse Mountain, Mount McLean, Forbidden Plateau.
2. July.

4520. ramaria *S. & C.*

a delectaria *C. & S.* Arctic Carpet.

1. Atlin.
2. June.

4524. pontiaria *Tayl.* Chalky Carpet.

1. Southern Vancouver Island, Shuswap Lake.
2. May, June, July.

4525. macdunnoughi *Swett.* McDunnough's Carpet.

1. Southern Vancouver Island.
2. June, July.

4526. fosaria *Tayl.* Mountain Carpet.

1. Mount Cheam, Southern Interior, Kaslo.
2. July.

a blackmorei *Swett.* Blackmore's Carpet.

1. Southern Vancouver Island.
2. May, June.

b atlinensis *Swett.* Atlin Carpet.

1. Atlin.
2. August.

4527. iduata *Gn. planata* Tayl. Broken-banded Carpet.

1. Armstrong, Kaslo

4530. abrasaria *H.-S.*

c aquilonaria *C. & S.* Northern Carpet.

1. Central Interior, Southern Interior, Atlin, Kaslo, Ainsworth, Bear Lake, South Fork Creek.
2. June, July, August

Zenophleps Hlst.

4531. lignicolorata *Pack.* Wood-coloured Carpet.

1. Central Interior, Fort Steele.
2. August.

a victoria *Tayl.* Victoria Carpet.

1. Victoria, Merritt, Keremeos.
2. August.

Psychophora Kirby.

4539. phocata *Moesch.* Seal Carpet.

1. Atlin.

Entephria Hbn.

4541. multivagata *Hlst.* Marbled Slate.

1. Southern B.C., Atlin.
2 June, July, August, September.

4542. takuata *Tayl.* Northern Marbled Slate.

1. Northern Interior.
2. August.

4543. lagganata *Tayl.*
1. Mount McLean.
2. August.

Mesoleuca Hbn.

4546. ruficillata *Gn.* Red-fringed Carpet.
1. Southern B.C.
2. May, June, July, August.

4547. gratulata *Wlk. brunneiciliata* Pack. Bird's Head Carpet.
1. Southern B.C.
2 March, April, May.
a latialbata *B. & McD.*
1. Chase, Vavenby, Shuswap Lake, Kaslo, Nelson, Robson, Warfield.
2. April, May.

Epirrhoe Hbn.

4548. tristata *Linn. limbopunctata* Nolc. Small Argent & Sable.
1. Central Interior, Atlin, Vernon, Armstrong, Shuswap Lake, Kaslo.
2. May, June.

4549. plebeculata *Gn. rubrosuffusata* Pack. Orange-winged Carpet.
a vivida *B. & McD.*
1. Southern B.C.
2. March, April, May.

4551. alternata *Mull. sociata* Bork. Striped Carpet.
1. Southern B.C.
2. April, May, June, July, August.

Spargania Gn.

4555. magnoliata *Gn. incommodata* Wlk. *placidata* Wlk. *ziczacata* Wlk. *cumatilis* G. & R.
1. Atlin, Kaslo, Bear Lake, South Fork Creek.
2. May, June, July, August, September, October.
a pernotata *Hlst.* Wavy Carpet.
1. Generally distributed.
2. May, June, July, August, September.
3. *Epilobium angustifolium* L. Willow Herb, Fireweed. *Fuchsia riccartoni* garden var. of Fuchsia.

4556. luctuata *Schiff. kodiakata* Pack. White-barred Black.
1. Atlin, Lillooet, Brilliant.
2. June, July.
a obductata *Moesch. concordata* Wlk.
1. Atlin, Rossland, South Fork Creek, Nelson, Robson, Lower Fraser Valley, Alberni, Shawnigan District.
2. June, July, August.

Euphyia Hbn.

4558. unangulata *Haw.*

a intermediata *Gn. ideata* Wlk. The Intermediate.

1. Southern B.C.
2. May, June, July, August.

4561. multiferata *Wlk.* Many-lined Carpet.

1. Southern B.C.
2. May, June, July, August.
3. Knotgrass.

4564. lacteata *Pack.* March Gem.

1. Southern Vancouver Island, Lower Fraser Valley, Kaslo.
2. March, April.

Eulype Hbn.

4573. hastata *L.* The Argent & Sable.

1. Southern Vancouver Island, Interior (at low altitudes).
2. May, June, July.
3. Birch, Spruce.

a gothicata *Gn. furcifascia* Wlk. Black Spear-Mark.

1. Hedley, Ainsworth, Seton Lake.
2. May, June, July, August.
3. *Picea* spp.

b subhastata *Nolc.* Small Black Spear-mark.

1. Atlin, Prince Rupert, Garibaldi Park, Grouse Mountain, Vavenby, Kaslo.
2. June, July, August.

4574. albodecorata *Blkmre.* White Spear-mark.

1. Southern Vancouver Island, Lower Fraser Valley.
2. May, June.

a confusa *McD.*

1. Nelson, Robson, Hedley, Cultus Lake, Metlakatla, Summerland.
2. May, June, Juy, August.

Perizoma Hbn.

4575. basaliata *Wlk.*

a grandis *Hlst.* Twin-spot Wave.

1. Southern Vancouver Island, Lower Fraser Valley, Vavenby, Bear Lake, Kaslo.
2. May, June, July, August.

form saanichata *Swett. saawichata* Swett. (laps. Cal.)

1. Southern Vancouver Island.
2. May, June.

4581. curvilinea Hlst. *occidens* Hlst. Sinuous Wave.

1. Southern Vancouver Island, Lower Fraser Valley, Shuswap Lake, Seton Lake.
2. March, April, May, June, July, August, September.

4582. costiguttata *Hlst.* Spotted-edged Wave.
1. Southern Vancouver Island, Kaslo, Robson, Lillooet.
2. May, June, July, August.

Earophila Gumpb.

4587. vasiliata *Gn. spilosaria* Wlk. *rigidata* Wlk. Brindled Wave.
1. Southern Vancouver Island, Vancouver Shuswap Lake, Kaslo, Brilliant, Nelson, Robson.
2. March, April, May, June.
3. *Rubus parviflorus* Nutt. Thimbleberry.

form niveifasciata *Hlst.*
1. Southern B.C.
2. March, April, May, June.

Venusia Curt.

4589. cambrica *Curt.*
erutaria Dup. *nebulosaria* Frey. *scitularia* Wlk. Cambric Wave. Welsh Wave.
1. Southern B.C.
2. June, July, August.
3. *Sorbus americana* Marsh. Mountain Ash, Rowan.

4590. duodecemlineata *Pack. unipecta* Pears. Twelve-lined Wave.
1. Victoria, Duncan, Kaslo.
2. April, May, June.
3. *Quercus garryana.*

4591. obsoleta *Swett.*
1. Southern Vancouver Island.
2. March, April, May.

4593. pearsalli *Dyar.* Pearsall's Wave.
1. Southern Vancouver Island, Lower Fraser Valley, Shuswap Lake, Brilliant, Robson.
2. March, April, May, June.

Hydrelia Hbn.

4597. albifera *Wlk. albogilvaria* Morr. *triseriata* Pack.
1. Rosedale, Keremeos, Kaslo, Shuswap Lake.
2. June, July.

4598. brunneifasciata *Pack.* Brown-lined White Wave.
1. Southern Vancouver Island, Agassiz.
2. July.

Eudule Hbn.

4599. mendica *Wlk. biseriata* H.-S. The Beggar.
1. Southern B.C.
2. June
3. *Viola* spp.

4603. unicolor *Rob. hyalina* Hlst.
1. Nelson.

Subfamily ENNOMINAE

Bapta Steph.

4605. semiclarata *Wlk. viatica* Harv. Clouded View.
1. Mount Tzouhalem, Sahtlam, (Duncan District), Shawnigan District, Lower Fraser Valley, Southern Interior, Kootenays.
2. April, May, June.
3. *Prunus* spp.

Deilinia Hbn.

Cabera Tr.

4612. variolaria *Gn. intentata* Wlk. The Vestal.
1. Central Interior, Southern Interior, Kootenays.
2. June, July, August, September.
3. *Picea* spp. *Salix* spp. *Populus* spp.

4614. erythemaria *Gn. similaria* Wlk.
1. Shuswap Lake, Trinity Valley.
2. May.
3. *Salix* spp. *Populus* spp.

4615. pacificaria *Pack.* Western Wave.
1. Southern B.C.
2. May, June, July, August.

4616. bryantaria *Tayl.* Northern Wave.
1. Stikine River, Brilliant.
2. June.

borealis *Hlst.*
1. M. 1084 Alaska Highway.
3. *Salix* spp.

Drepanulatrix Gump.

4617. rectifascia *Hlst.* Delicate Wave.
1. Southern Interior, Kaslo, Robson, Fitzgerald.
2. April, May, June, July, August.
3. Probably *Lepargyraea,* according to McDunnough.

4618. bifilata *Hlst.* male. *perpallidaria* Grt. *carneata* Warr.
1. Salmon Arm, Shuswap Lake.
2 March, July.

4612. secundaria *B. & McD.* Scalloped Wave.
1. Kaslo, Lillooet.
2. June.

4622. falcataria *Pack. electa* Hlst. Falcate Wave.
1. Fitzgerald, Shawnigan District, Kootenays, Armstrong, Shuswap Lake, Lillooet.
2. March, April, May.

4625. carnearia *Hlst.* Red-lined Wave.
1. Kootenays, Mount McLean, Peachland, Cameron Lake.
2. July.

4626. columbiaria *McD. lutearia* B. & McD.
1. Lillooet, Peachland, Okanagan Mission, Kelowna, Keremeos, Penticton.
2. June, July.

4628. pulveraria *Hlst.* Powdered Wave.
1. Kootenays, Sicamous, Shuswap Lake, Lillooet.
2. April, May, June.

4630. litaria *Hlst. fumosa* Hlst. Large Banded Wave.
1. Southern Interior, Kootenays.
2. April, May, June, August, September, October.
3. *Ceanothus sanguineus.*

4633. quadraria *Grt.* Quadrate Wave.
1. Lillooet, Kaslo.
2. June, July.
3. *Ceanothus sanguineus.*

4634. unicalcararia *Gn. behrensaria* Hlst. Spurred Wave.
1. Southern Interior, Kootenays, Vancouver, New Westminster.
2. May, June, July, August.

form cervinicolor *Hlst.*
1. Southern Interior, Kootenays.
2. July.

Ixala Hlst.

4636. desperaria *Hlst.* Dingy Carpet.
1. Lillooet.
2. May, June.

Sericosema Warr.

Euemera Hlst.

4645. juturnaria *Gn.* Bordered Fawn.
1. Southern B.C.
2. June, July, August.

4646. wilsonensis *C. & S.*
1. Lillooet, Salmon Arm.
2. July.

Isturgia Hbn.

4658. truncataria *Wlk.* Blank-banded Orange.
1. Northern Interior, Central Interior, Southern Interior, Kootenays.
2. May, June, *Arctostaphylos uva-ursi.*

Philobia Dup.

4664. ulsterata *Pears.* White Peacock.
1. Southern B.C.
2. May, June, July.

Semiothisa Hbn.

Macaria Curt.

4673. bicolorata *Fabr.* *pracatomata* Haw. *consepta* Wlk. *consimilata* Zell. *grassata* Hlst. Tawny-bordered Granite.
1. Armstrong, Kaslo, Seton Lake, Enderby, Northern Okanagan.
2. July, August.

4675. adonis *B. & McD.*
1. Lillooet, Shuswap Lake, Salmon Arm, Penticton, Nakusp.
2. June, July.
3. *Pinus monticola* Dougl. Western White Pine. *Pinus ponderosa* Dougl. Western Yellow Pine. *Pinus contorta latifolia* Engelm. Lodgepole Pine.

4680. granitata *Gn.* *? halitata ? retractaria* Wlk. Spotted Granite.
1. Generally distributed.
2. May, June, July, August.
3. *Pseudotsuga taxifolia, Pinus contorta latifolia, Pinus monticola, Picea sitchensis, Picea engelmanni, Picea mariana, Picea glauca albertiana* Sarg., *Tsuga heterophylla, Larix occidentalis, Abies amabilis, Abies lasiocarpa, Thuja plicata.*

c dispuncta *Wlk.* *inordinaria* Wlk. *haliata* Wlk. *subapiciaria* Wlk. *fissinotata* Wlk.
1. Southern Vancouver Island, Seton Lake.
2. June.

4682. perplexa *McD.*
1. Lillooet, Nicola, Keremeos, Field.
2. May, June, July.
3. *Pseudotsuga taxifolia, Picea engelmanni.*

4683. unipunctaria *Wgt.* Pebble Granite.
1. Southern Interior, Kootenays.
2. May, June.

4687. sexmaculata *Pack.* *labradoriata* Moesch.
1. New Denver, Edgewood, Vernon, Arrow Park.
2. August, September.
3. *Larix occidentalis* Nutt. Western Larch.

a incolorata *Dyar.* *purcellata* Tayl. Pale Granite.
1. Kootenays, Italy Creek, Fife.
2. May, June.
3. *Larix occidentalis.*

4688. denticulata *Grt.* Striped Granite.
1. Southern Interior, Kootenays.
2. May, June, July.

a sexpunctata *Bates.*
1. Southern Interior, Kootenays, Saanich District.
2. May, June.

4694. californiaria *Pack.* Californian Granite.
1. Southern Vancouver Island, Vernon.
2. April.

4704. respersata *Hlst.* *subacuta* Hlst.
1. Lillooet.
2. June.

4705. teucaria *Stkr.* Triple-lined Granite.
1. Victoria, Duncan.
2. May, June, July.
3. Probably *Quercus garryana.*

4715. setonana *McD.*
1. Seton Lake.
2. June.

4717. nubiculata *Pack.* Broken-banded Granite.
1. Southern Interior, Fort Steele.
2. June, July.

4718. curvata *Grt.* *cruciata* Grt. Shaded Granite.
1. Southern Interior, Kootenays.
2. June, July, August.
3. *Chrysothamnus,* sp., Rabbit Brush, according to McDunnough.

4724. irrorata *Pack.*
var. venosata *McD.*
1. Summerland, Penticton, Keremeos.
2. May, July, August.

4725. neptaria *Gn.*
b sinuata *Pack.* Dark-bordered Granite.
1. Southern B.C.
2. April, May, June, July, August.
3. *Populus* spp.

4727. hebetata *Hlst.* *demaculata* B. & McD. Northern Granite.
1 Atlin, Alexis Creek.
2. July.

4730. decorata *Grossb.*
var. arubrescens *McD.*
1. Kamloops, Nicola, Summerland.
2. May, June.
form suffusata *McD.*
1. Kamloops, Summerland, Oliver.
2. May.

4737. meadiaria *Pack.* Wavy-lined Granite.
1. Hope Mountains, Nicola Lake, Alexis Creek, Chilcotin, Vancouver.
2. June, July.

Itame Hbn.

Diastictis Hbn.

4749. occiduaria *Pack.* Western Sulphur.
1. Kootenays, Penticton, Radium.
2. July.

a andersoni *Swett.* Northern Grey.
2. Atlin.

4751. sulphurea *Pack. sulphuraria* Pack. Spotted Sulphur.
1. Southern Interior.
2 June, July.

4752. fulvaria *Vill. brunneata* Thun. *ferruginaria* Pack. Striped Ochre.
1. Barkerville, Similkameen, Hope Mountains, Manning Park.
2. July, August.
3. *Picea glauca albertiana.* Probably also on *Vaccinium scoparium.*

4757. quadrilinearia *Pack. inquinaria* Hlst. Four-lined Granite.
1. Southern Interior, Kootenays.
2. June, July, August.

4759. anataria *Swett.*
1. Brilliant, Chilcot Pass 3000 ft. M. 71.
2. July.
3. *Betula* spp.

4762. exauspicata *Wlk.* Speckled Granite.
2. Southern Interior, Kaslo, Brilliant.
2 June, July, August.
3. *Populus tremuloides, Betula* spp.

4768. plumosata *B. & McD.* Feathered Sulphur.
1. Southern Interior, Kaslo, Brilliant.
2. June, July, August.

4771. bitactata *Wlk.*

b epigenata *B. & McD.* Short-lined Granite.
1. Mount McLean, Vavenby, Shuswap Lake, Kaslo
2. August.

4772. denticulodes *Hlst.* Toothed Granite .
1. Southern Interior, Kaslo.
2. June, July, August.

4773. decorata *Hlst.* Decorated Granite.
1. Lillooet.
2. July.
1. Kaslo, Westwold.

4774. latiferrugata *Wlk. brunneata* Pack.
1. Kaslo, Westwold.
2. August.

Protitame McD.

4782. matilda Dyar. Straight-lined Cream.
1. Southern B.C.
2. May, June, July, August.

4784. hulstiaria *Tayl. subalbaria* Hlst. The Virgin.
1. Southern Interior, Kaslo.
2 June, July, August.

Dysmigia Warr.

4797. loricaria *Evers. julia* Hlst. *nubilata* Warr.
1. Southern Interior.
2 July.
3. *Salix* spp. *Populus* spp.

Elpiste Gump.

Gladela Grossb.

4799. lorquinaria *Gn. tripunctaria* Pack. Three-dotted Border.
1. Southern B.C.
2. July, August.

Hesperumia Pack.

4801. sulphuraria *Pack.* Large Sulphur.
1. Southern B.C.
2. June, July, August.
3. *Rosa* spp., *Vaccinium* spp., *Ceanothus sanguineus, Sorbus americana sitchensis,* Mountain Ash.

a ochreata *Pack.*
1. Southern B.C., Quesnel.
2. June, July.
3. *Picea* spp., *Pseudotsuga taxifolia, Pinus ponderosa, Pinus contorta latifolia.*

form baltearia *Hlst.* Banded Sulphur.
1. Northern Okanagan, Shuswap Lake, Lillooet, Brilliant, Warfield, Armstrong.
2. June, July.

form unicoloraria *Hlst.*
1. Southern B.C.
2. June, July, August.

Eufidonia Pack.

4803. notataria Wlk. *(male) fidoniata* Wlk. *quadripunctata* Morr. Brown-spotted Wave.
1. Prince Rupert.
2. May.
3. *Tsuga heterophylla, Abies grandis, Pinus monticola, Pinus contorta latifolia, Larix occidentalis, Picea glauca albertiana, Picea mariana.*

Orthofidonia Pack.

4805. tinctaria *Wlk. distinctaria* D'Urban. *exornata* Wlk. *albifusata* Wlk. *deceptata* Hlst.
1. Kaslo.
2. May. June.

Dasyfidonia Pack.

4806. avuncularia *Gn.* Red-winged Wave.
1. Lillooet, Penticton, Fort Steele, Shuswap Lake.
2. May.

Paraphia Gn.

4807. unipunctata *Haw. ? pustularia* Hbn.
1. Lillooet, Kaslo.
2. June.

4809. subatomaria *Wood. deplanaria* Gn. *mammuraria* Gn. *impropriata* Wlk. *fidoniaria* Wlk. *exsuperata* Wlk. Mottled Angle.
1. Armstrong, Lillooet, Shuswap Lake, Kaslo, Robson.
2. June, July, August, September.

4811. piniata *Pack. guttata* Hlst. Dingy Angle.
1. Southern Interior, Whatshan Lake, Little Fort, Kaslo, Brilliant.
2. July.
3. *Pinus contorta latifolia, Pinus monticola, Larix occidentalis, Pseudotsuga taxifolia, Tsuga heterophylla, Abies grandis, Picea engelmanni, Picea glauca albertiana, Picea mariana,, Betula* spp.

Melanolophia Hlst.

4859. imitata *Wlk. subgenericata* Dyar. Western Carpet.
1. Southern B.C., Seymour Inlet, Point Renfrew, Terrace, Williams Lake.
2. March, April, May, June.
3. *Picea engelmanni, Picea sitchensis, Tsuga heterophylla, Pseudotsuga taxifolia, Thuja plicata, Abies lasiocarpa, Abies grandis, Pinus contorta.*

Protoboarmia McD.

4875. porcelaria *Gn.*

a indicataria *Wlk.* Speckled Carpet.
1. Southern B.C., Cedarvale, Carnaby, McBride, Goat River, Guilford, Quesnel, New Hazelton, Hazelton, Horsefly, Aleza Lake.
2. May, June, July, August, September.
3. *Picea engelmanni, Pseudotsuga taxifolia, Tsuga heterophylla, Pinus contorta latifolia, Larix occidentalis, Abies lasiocarpa, Thuja plicata.* Also on *Populus* spp., *Betula* spp., *Quercus* spp., *Shepherdia canadensis.*

Neoalcis McD.

4878. californiaria *Pack.* Californian Carpet.
1. Southern Vancouver Island, Lower Fraser Valley.
2. July, August, September.
3. *Rubus* spp. Blackberry, Salmonberry.

form latifasciaria *Pack.*
1. Southern Vancouver Island, Lower Fraser Valley.
2. July, August, September.

Ultralcis McD.

4879. latipennis *Hlst.* Powdered Carpet.
1. Southern Vancouver Island, Lillooet.
2. June, July, August.

Glena Hlst.

Monroa Warr.

4886. nigricaria *B. & McD.*
1. Lillooet, Keremeos.
2. June.
3. *Pinus ponderosa.*

Stenoporpia McD.

4892. dissonaria *Hlst.*
1. Okanagan Falls.
2. May.

4900. excelsaria *Stkr.* Black-lined Carpet.
1. Southern Vancouver Island, Shuswap Lake.
2. May, June.
3. *Pinus contorta latifolia.*

4901. albescens *Hlst.* Pale Carpet.
1. Southern Vancouver Island, Fraser Mills.
2. May, August.

4905. satisfacta *B. & McD.* Kootenay Carpet.
1. Southern Interior, Kootenays.
2. July, August.

Anavitrinella McD.

4908. pampinaria *Gn. frugaliaria* Gn. Vine Carpet. Cranberry Spanworm.
1. Southern B.C.
2. May, June, July.
3. *Larix occidentalis, Picea* spp., *Salix* spp., *Acer* spp., *Pyrus* spp., *Robinia* sp., *Fraxinus* sp.

4910. addendaria *Grossb.*
1. Anderson Lake.
2. July.

Anacamptodes McD.

4913. emasculata *Dyar.* Red-tinged Carpet.
1. Southern B.C., Milly Island (Johnstone St.)
2. May, June, July.
3. *Salix* spp. (Sallows), *Alnus rubra, Pseudotsuga taxifolia.*

4918. vellivolata *Hlst.*
1. Brilliant.
2. June.

4927. profanata *B. & McD.* Colorado Carpet.
1. Penticton, Rossland, Brilliant, Robson.
2. April.

Aethalura McD.

Aethaloptera Hlst.

4945. anticaria *Wlk.*
a fumata *B. & McD.* Smoky Carpet.
1. Lower Fraser Valley, Southern Interior, Kootenays.
2. April, May, June.
3. *Betula* spp.

Ectropis Hbn.

4946. crepuscularia *Schiff.* *occiduaria* Gn. *signaria* Wlk. *spatiosaria* Wlk. *intrataria* Wlk. *cineraria* Wlk. *cunearia* D'Urban. Twilight Carpet.
1. Ucluelet, Lower Fraser Valley, Southern Interior, Kootenays.
2. March, April, May.
3. *Pyrus* spp., *Taxus brevifolia, Pseudotsuga taxifolia, Picea engelmanni, Picea sitchensis, Thuja plicata.*

Coniodes Hlst.

4955. plumogeraria *Hlst.* Walnut Span-worm.
1. Southern Vancouver Island, Kootenays, Shuswap Lake, Vancouver.
2. February, March, April.
3. *Quercus garryana, Juglans* spp.

Erannis Hbn.

4963. vancouverensis *Hlst.* Mottled Umber.
1. Southern Vancouver Island, Kootenays, Vavenby, Shuswap Lake.
2. September, October, November, December.
3. *Quercus garryana, Salix* spp. (Sallows), *Rosa* spp., *Crataegus* spp.

Lycia Hbn.

4966. ursaria *Wlk.* The Bear.
1. Kootenays, Vavenby, Shuswap Lake, Trinity Valley.
2. April, May.
3. *Salix* spp., *Populus* spp., *Betula* spp., Apple, *Prunus demissa.*

Amphidasis Tr.

4968. cognataria *Gn.* The Pepper and Salt Moth.
1. Central Interior, Southern B.C.
2. May, June, July, August.
3. *Populus* spp., *Salix* spp., *Acer* spp., *Alnus* spp., *Pyrus* spp, *Prunus* spp., *Betula* spp., *Rose* spp., *Amelanchier alnifolia* Nutt., *Ribes sanguineum*, Red Flowering Currant, and garden currants, *Spiraea discolor*, *Rhus typhina* Sumach, *Corylus* spp., *Quercus* spp., *Rubus* spp., *Vaccinium* spp., Blueberry, Huckleberry, etc., *Aster* spp., including garden vars., *Gladiolus*, and many other plants. Has been reported from *Picea* spp. and *Pseudotsuga taxifolia.*

Gabriola Tayl.

4982. dyari *Tayl.* Twin White-spot.
1. Southern Vancouver Island, Lower Fraser Valley, Kaslo.
2. July, August.
3. *Pseudostuga taxifolia.*

Euchlaena Hbn. Thorns.

4996. effecta *Wlk.* Scalloped Thorn.
1. Penticton, Cranbrook.
2. July.

4997. johnsonaria *Fitch. bilinearia* Pack. Johnson's Thorn.
1. Salmon Arm, Shuswap Lake, Okanagan Falls, Cranbrook.
2. June, July, August.

4998. mollisaria *Hlst. occantaria* Hlst. Flexible Thorn.
1. Southern Vancouver Island, Lillooet, Brilliant, Robson, Shuswap Lake, North Vancouver.
2. June, July, August, September.
3. *Salix* (Sallows), *Rubus* spp. Blackberry, *Amelanchier alnifolia*, *Ribes sanguineum*, *Crataegus brevispina*, *Rhamnus purshiana.*

5000. vinulentaria *G. & R.*
a ochrearia *McD.*
1. Brilliant, Kaslo, Penticton, Seton Lake.
2. May, June, July.

5001. astylusaria *Wlk. madusaria* Wlk. *vinosaria* G. & R. Pale-tipped Thorn.
1. Southern Interior, Kootenays.
2. June, July.

5002. marginata *Minot.*
a albertanensis *Swett.* Alberta Thorn.
1. Armstrong, Vernon, Brilliant.
2. April, May, June.

5005. tigrinaria *Gn.*
a sirenaria *Stkr.* Variable Thorn.
1. Southern B.C.
2. May, June, July.

Spodolepis Hlst.

5012. substriataria *Hlst.*
a danbyi *Hlst.* *demorsaria* Stkr. Dog-face Geometer.
1. Generally distributed.
2. March, April, May.

Campaea Lam.

5015. perlata *Gn.* *viridoperlata* Pack. Pale Emerald.
1. Southern B.C., Southbank, New Hazelton.
3. *Salix* spp. (Sallows), *Acer macrophyllum, Alnus rubra, Betula,* spp., *Quercus garryana, Populus tremuloides, Amelanchier alnifolia.* Has been reported from the following conifers: *Pinus contorta latifolia, Picea* spp., *Larix occidentalis, Abies grandis.*

Anthelia Hlst.

5019. taylorata *Hlst.* *angulata* Wlk. Columbia Brindle.
1. Vancouver Island, Lower Fraser Valley, Vavenby, Shuswap Lake.
2. March, April, May.
3. *Ribes sanguineum.*

5020. hyperborea *Hlst.* Northern Brindle.
1. Southern Vancouver Island, Lower Fraser Valley.
2. *gen. vern.* March, April, May. *gen. aest.* July, August.
3. *Pinus monticola, Alnus rubra.*

Philedia Hlst.

5027. punctomacularia *Hlst.* Chain-spotted Girdle.
1. Southern Vancouver Island, Lower Fraser Valley, Kaslo, Brilliant, Robson, Shuswap Lake.
2. August, September, October.
3. *Pteris aquilina.*

Plagodis Hbn.

5034. approximaria *Dyar.* The Scorched Wing.
1. Lower Fraser Valley, Southern Interior, Kootenays, Duncan, Shawnigan District.
2. May, June, July, August.

Anagoga Hbn.

5042. pulveraria *Linn.*
form occiduaria *Wlk.* *plagifasciata* Wlk. *californiaria* Pack. Barred Umber.
1. Southern B.C.
2. April, May, June.
3. *Salix* spp. (Sallows).

Hyperetis Gn.

5043. amicaria *H.-S.* *insinuaria* Gn. Sharp-toothed Thorn.
1. Southern B.C.
2. May, June.
3. *Prunus emarginata, Salix* spp. (Sallows), *Alnus rubra, Amelanchier alnifolia, Rosa* spp., *Vaccinium* spp., *Acer* spp., *Cornus* spp., *Betula* spp., also Oak and Beech, (garden vars.).

Nematocampa Gn.

5044. limbata *Haw. vestitaria* H.-S. *resistaria* H.-S. *filamentaria* Gn. Bordered Thorn.
1. Southern B.C.
2. June, July, August, September.
3. *Vaccinium* spp., *Daucus carota, Fragaria* spp., *Acer* spp., *Ulmus* spp., *Corylus* spp., and the following conifers: *Tsuga heterophylla, Pseudotsuga taxifolia, Larix occidentalis, Abies grandis, Picea* spp.

Metarranthis Warr.

5050. duaria *Gn. panisaria* Wlk. *amyrisaria* Wlk. *agreasaria* Wlk., *adustaria* Wlk. Canadian Thorn.
1. Southern B.C.
2. April, May, June.
3. *Vaccinium* spp., *Alnus rubra.*

a septentrionaria *B. & McD.*
1. Lillooet.
2. May.

Metanema Gn.

5054. inatomaria *Gn.* Yellow-lined Thorn.
1. Southern Vancouver Island, Vernon, Kaslo, Quesnel, Shuswap Lake, Okanagan Falls, Armstrong.
2. July.
3. *Acer* spp., *Populus* spp., *Pseudotsuga taxifolia.*

5055. determinata *Wlk. carnaria* Pack. Dark-banded Thorn.
1. Cranbrook.
2. May.

Selenia Hbn.

5057. alciphearia Wlk. *perangulata* Hlst. Brown-tipped Thorn.
1. Southern B.C.
2. April, May.
3. *Salix* spp. (Sallows), *Alnus rubra, Crataegus brevispina.*

a gen. aest. ornata *B. & McD.* Ornate Thorn.
1. Southern Vancouver Island, Lower Fraser Valley.
2. June, July.
3. As above.

5058. kentaria *G. & R.*
1. Robson.
2. April.

Ennomos Tr.

5059. subsignarius *Hbn. niveosericeatus* Jones. Elm Span-worm.
1. Nelson, Warfield.
2. August.

Pero H.-S.

5073. giganteus *Grossb.* Giant Umber.
1. Southern B.C.
2. June, July, August, September.
3. *Ribes sanguineum, Alnus rubra, Spiraea discolor.*

5075. behrensarius *Pack.* Scarce Umber.
1. Armstrong, Lillooet, Barriere, Goldbridge, Yahk, Upper Arrow Forest, Rossland, Cowichan Lake.
2. June, July.
3. *Pseudotsuga taxifolia,* Douglas Fir, *Picea engelmanni* Engelm. Engelmann Spruce.

5077. occidentalis *Hlst.* Western Umber.
1. Southern Vancouver Island, Southern Interior, Kootenays.
2. April, May, June, July, August.

5080. morrisonarius *Hy. Edw.* Lesser Umber.
1. Southern B.C.
2. May, June, July.
3. *Larix occidentalis, Picea glauca albertiana, Abies grandis, Pinus monticola.*

Phengommataea Hlst.

5083. edwardsata *Hlst.* Golden Girdle.
1. Kootenays, Shuswap Lake, Goldstream.
2. August, September.

Enypia Hlst.

5090. venata *Grt.* Variable Girdle.
1. Southern Vancouver Island.
2. July, August.
3. *Abies amabilis.*

ab. elaborata *C. & S.*
1. Wellington.
2. July.

5091. perangulata *Hlst.* Angulataed Girdle.
1. Southern Interior, Kootenays, McBride, Atlin.
2. July, August.
3. *Abies lasiocarpa.*

5094. moillieti *Blkmre.* Mountain Girdle.
1. Vavenby, Lillooet, Riske Creek, Williams Lake, New Hazelton, Kinnaird, Arrowhead, St. Mary Lake, Nicola Lake, Chilcotin, Warfield.
2. June, July, August.
3. *Pinus contorta latifolia, Pseudotsuga taxifolia.*

5095. packardata *Tayl.* Pale-grey Girdle.
1. Southern B.C.
2. June, July, August.

Plataea H.-S.

5100. trilinearia *Pack.* Sage-brush Girdle.
1. Southern Interior, Riske Creek.
2. May.

Nepytia Hlst.

5104. umbrosaria *Pack.*
a nigrovenaria *Pack.* Black-veined Girdle.
1. Southern Vancouver Island, Lower Fraser Valley, Nelson, Kaslo.
2. July, August.

5109. canosaria *Wlk. pulchraria* Minot.
1. Penticton, Chase, Chinook, Cove, E. Thompson River, Salmon Arm, Birch Island, Barriere, Vernon, Lardeau, Slocan City, Creston, Glenbank, Baynes Lake, Kelowna.
2. August, September.
3. *Pseudotsuga taxifolia, Picea engelmanni, Picea glauca albertiana, Picea mariana, Tsuga heterophylla, Abies grandis, Larix occidentalis, Pinus contorta latifolia, Betula* spp.

5110. phantasmaria *Stkr.* Snowy Granite.
1. Southern Vancouver Island, Lower Fraser Valley, Penticton, Pemberton, Birken, Argenta.
2. August, September, October, November.
3. *Psuedotsuga taxifolia, Tsuga heterophylla, Picea sitchensis, Pinus contorta latifolia.*

5111. semiclusaria *Wlk.*
a pellucidaria *Pack.* Lesser Girdle.
1. Southern Interior, Kootenays.
2. September, October.

Meris Hlst.

suffusaria *McD.*
1. Keremeos.
2. July.

Caripeta Wlk.

5125. divisata *Wlk. albopunctata* Morr. Twin-spot Girdle.
1. Southern B.C., Quesnel, Cedarvale, Hydraulic, Cottonwood, New Hazelton, Williams Lake, Terrace, Keithly Creek, Seaton, Aleza Lake, 153 mile house Cariboo.
2. June, July, August.
3. *Pseudotsuga taxifolia, Picea engelmanni, Tsuga heterophylla, Abies grandis, Abies lasiocarpa, Larix occidentalis, Pinus monticola, Picea glauca albertiana, Picea mariana, Picea sitchensis.*

5127. aequaliaria *Grt. interalbicans* Warr. Red Girdle.
1. Southern Vancouver Island, Kaslo, Revelstoke, Lasqueti Island, Lillooet, Clinton.
2. July, August.
3. *Pseudotsuga taxifolia.*

5128. angustiorata *Wlk. criminosa* Swett. Oblique Girdle.
1. Kaslo, New Hazelton, Carnaby, Red Pass, Willow River, (Prince George), Valemont, Leanchoil.
2. July.
3. *Pinus contorta latifolia.*

Besma Capps.

5145. quercivoraria *Gn. aeliaria* Wlk. *trilinearia* Pack. *textrinaria* G. & R. Pale Lined Thorn.
1. Southern B.C.
2. May, June, July.
3. *Quercus garryana.*

Lambdina Capps.

5146. fiscellaria *Gn.*

a lugubrosa *Hlst.* Hemlock Looper. Mournful Thorn.
1. West Coast of Vancouver Island, Coast Region, Southern Coastal Mainland, Central Interior, Southern Interior, Kootenays.
2. July, August, September.
3. *Tsuga heterophylla, Pseudotsuga taxifolia, Picea engelmanni, Picea sitchensis, Abies lasiocarpa, Larix occidentalis.*

(5147) *b* somniaria *Hlst.* Dreamy Thorn.
1. Southern Vancouver Island, Lower Fraser Valley.
2. August, September, October, November.
3. *Quercus garryana, Acer circinatum, Alnus rubra.* Will eat *Tsuga heterophylla* and *Pseudotsuga taxifolia.*

Neoterpes Hlst.

5158. trianguliferata *Pack. notataria* Hlst. Canary Thorn.
1. Southern B.C.
2. April, May, June.
3. *Ribes sanguineum.*

Sicya Gn.

5161. macularia *Harr. sublimaria* Gn. *truncataria* Gn. *calipusaria* Wlk. *faustinaria* Stkr. Pink-bordered Yellow.
1. Shuswap Lake, Kaslo, Field.
2. June, July, August.

a agyllaria *Wlk.*
1. Brilliant, Nelson, Howser.
2. July, August.
3. *Acer* spp., *Betula* spp., *Vaccinium* spp., *Spiraea* spp., *Pinus contorta latifolia, Tsuga heterophylla, Pinus monticola.*

b crocearia *Pack.*
1. Central Interior, Southern B.C.
2. July, August.

Deuteronomos Prout.

5170. magnarius *Gn. lutarius* Wlk. The Notched Wing.
1. Southern B.C., Hagensborg.
2. August, September, October.

Synaxis Hlst.

5189. jubararia *Hlst.* October Thorn.
1. Southern B.C., Hagensborg.
2. September, October.
3. *Crataegus brevispina, Spiraea discolor, Nuttallia cerasiformis, Acer macrophyllum, Populus* spp., *Salix* spp. (Sallows), *Ribes sanguineum, Picea engelmanni, Pseudotsuga taxifolia.*

5190. pallulata *Hlst.* September Thorn.
1. Southern Vancouver Island, Kaslo, Knight Inlet.
2. August, September, October.
3. *Picea sitchensis.*

5191. cervinaria *Pack.* (female) *aurantiacaria* Pack. Fawn Thorn.
1. Southern Vancouver Island, Southern Interior, Kootenays.
2. April, May, June.
3. *Quercus garryana.*

5193. formosa *Hlst.* Graceful Thorn.
1. Lillooet.
2. October.

Tetracis Gn.

5198. lorata Grt. Oblique Thorn.
1. Southern Interior.
2. May.

Prochoerodes Grt.

5210. forficaria *Gn. nubilata* Pack. *combinata* McD. Dingy Thorn.
1. Southern Interior, Kootenays.
2. June, July.

Superfamily URANIOIDEA.

Family EPIPLEMIDAE

Callizzia Pack.

5223. amorata *Pack.* Maltese Cross.
1. Generally distributed.
2. June, July, August.

A List of Localities by Divisions into which the Province has been divided for recording purposes.

NORTHERN INTERIOR

Atlin
Dease Lake
Fort St. John
Peace River
Rolla
Seaton
Stikine River
Taku River
Telegraph Creek

CENTRAL INTERIOR

Alexis Creek
Aleza Lake
Alkali Lake
Barkerville
Big Bar Mountain
Carnaby
Cedarvale
Chilcotin
Cottonwood
Fort Fraser
Fort George
Gang Ranch
Goat River
Guilford
Hanceville
Hansard
Hazelton
Horsefly
Hydraulic
Keithley Creek
Lac la Hache
Likely
Lindup
McBride
McKinley Lake
New Hazelton
Penny
Prince George
Quesnel
Quesnel Forks
Red Pass
Riske Creek
Soda Creek
Stuart Lake
Terrace
Valemont
Vanderhoof
Williams Lake
Wilow River

COAST REGION

Babine Lake
Bella Coola
Cachalot
Clayoquot
Fort St. James
Francois Lake
Hagensborg
Inverness
Knight Inlet
Masset
Metlakatla
Milly Island (Johnstone Strait)
Namu
Nass River
Ootsa Lake
Port Renfrew
Port Simpson
Prince Rupert
Quatam River
Queen Charlotte Islands
Ramsay Arm
Seymour Inlet
Skeena River
Smithers
Southbank
Stewart
Tofino
Topley
Ucluelet

SOUTHERN VANCOUVER ISLAND

Alberni
Cameron Lake
Comox
Courtenay
Cowichan Bay
Cowichan Lake
Cumberland
Departure Bay
Duncan
Duncan District (Duncan, Quamichan Lake, Mount Prevost)
Errington
Fitzgerald
Forbidden Plateau
Gabriola Island
Goldstream
Ladysmith
Lasqueti Island
Mayne Island
Mount Arowsmith
Mount Finlayson
Mount Malahat
Mount Newton
Mount Presvost
Mount Tzouhalem
Nanaimo
Parksville
Port Alberni
Qualicum Beach
Royal Oak
Saanichton
Sahtlam
Saltspring Island
Shawnigan District (Shawnigan Lake, Cobble Hill, Mill Bay)
Shawnigan Lake
Sidney
Sluggett
Victoria
Wellington

LOWER FRASER REGION

Abbotsford
Agassiz
Alta Lake
Chilliwack
Cloverdale
Daisy Lake
Fraser Mills
Grouse Mountain
Harrison Hot Springs
Lulu Island
Maillardville
Mission
Mons
Mount Cheam
Mount Garibaldi
New Westminster
North Vancouver
Port Hammond
Port Haney
Powell Lake
Powell River
Rosedale
Savory Island
Sechelt
Squamish
Steelhead
Vancouver
West Vancouver
White Rock

SOUTHERN INTERIOR

Adams Lake
Anderson Lake
Armstrong
Ashcroft
Aspen Grove
Barriere
Birch River
Birken
Blue River
Bridge River
Brookmere
Cadwallader Creek
Canim Lake
Chase
Chinook Cove
Clinton
Cultus Lake
D'Arcy
Dixon Creek
Dog Lake
Douglas Lake
Enderby
Fairview
Fife
Fly Hills
Grand Forks
Hedley
Hope
Hope Mountains
Italy Creek
Jesmond
Kamloops
Kelly Lake
Kelowna
Keremeos
Lillooet
Louis Creek
Lumby
Lytton
Marron Lake
Marron Valley
Merritt
Mount Apex
Mount Bowman
Mount McLean
Nicola
Nicola Lake
Nicolum Valley
Okanagan Falls
Okanagan Landing
Oliver
Osoyoos
Peachland
Pemberton
Penticton
Princeton
Salmon Arm
Schoonover Mountain
Seton Lake
Shalalath
Shuswap Lake
Shuttleworth Creek
Sicamous
Similkameen
Skagit River
Spence's Bridge
Spuzzum
Sumallo Creek
Summerland
Taft
Trinity Valley
Vaseaux Lake
Vavenby
Vernon
Westwold
Yale

THE KOOTENAYS

Ainsworth
Argenta
Arrowhead
Arrow Park
Baynes Lake
Bear Lake Mountain
Blewett
Blueberry
Boswell
Brilliant
Canal Flats
Cranbrook
Creston
Edgewood
Emerald Lake
Fernie
Field
Flat Creek
Fort Steele
Fry Creek
Glacier
Golden
Goldstream
Halcyon Hot Springs
Hosmer
Howser
Invermere

THE KOOTENAYS (Continued)

Jaffray
Kaslo
Kicking Horse Pass
Kinnaird
Kokanee Mountain
Laardeau
Leanchoil
Michel
Morrissey
Mount Field
Mount Hector
Mount Steven
Nakusp
Nelson
New Denver
O'Hara Lake
Ottertail
Paradise Mine
Paradise Valley
Radium
Revelstoke
Robson
Rossland
Saint Mary Lake
Sandon
Sheep Creek
Slocan City
South Fork Creek
Trail
Trout Lake
Warfield
Whatshan Lake
Windermere
Yahk
Ymir
Yoho Valley

SOUTHERN BRITISH COLUMBIA (SOUTHERN B.C.)

This term comprises the following divisions:

Southern Vancouver Island, Lower Fraser Region, Southern Interior and The Kootenays.

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